APR 27 1946

American Lumberman

PACKED WITH USABLE DATA VITAL TO YOUR BUSINESS:

1. Classified Products Directory
2. Cyclopedia of Building Terms
3. Brand Names Directory
4. Hundreds of Charts, Pictures & Tables on Materials & Methods

APRIL 13, 1946

1946 REFERENCE NUMBER

Look for the Name WARP'S Printed on Every Yard

It's Your Guarantee That You're Getting A Top Quality Window Material

SAME HATCH · SAME FEED · SAME CARE

WARP'S Wyr-O-Glass

ONLY 81¢ Sq. Yd.

WARP'S WYR-O-GLASS
Tough galvanized ¼ inch mesh wire base, drawn thin to admit more light. **Every Joint and Wire Imbedded** in a cushion plastic for double reinforcing. **Plastic Glass applied to both sides,** sealing everything into one solid weatherproof sheet. **Very Transparent**—Extra high in Ultra-Violet Ray transmission. Good insulator.

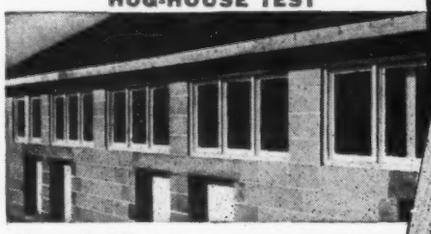
For More Than 20 Years WARP BROTHERS Have Been Making BETTER WINDOW MATERIALS

WARP BROTHERS ARE ALWAYS RUNNING TESTS ON THEIR FARM TO GIVE YOU THE BEST WINDOW MATERIALS THAT MONEY CAN BUY

POULTRY-HOUSE TEST

Warp's Window Materials bring greater profits to poultry raisers. Under one of Warp's Window Materials chicks grew twice as fast as those under glass—with same feed and care. Hens started laying earlier, were healthier, weighed more and consistantly laid more eggs.

HOG-HOUSE TEST



Pigs are healthier and grow faster under Warp's Window Materials. Pigs farrowed in January, raised in this hoghouse with Wyr-O-Glass Windows in place of glass, weighed 110 lbs. in 100 days, on inexpensive feed. They were never outside.

GREEN-HOUSE TEST

Warp's Window Materials outlast others. A greenhouse is a severe test for window materials. The constant dampness, condensation and high humidity inside, in contrast to extreme heat and cold outside, makes this an ideal method of proving comparative durability.

FARM-HOME TEST

Warp's Window Materials hold in heat and keep out cold better than glass. Tests proved that Warp's Window Material saved 38% in fuel on this house. It was warmer, more comfortable, freer from drafts.

WARP'S Glass-O-Net

ONLY 57¢ Sq. Yd.

WARP'S GLASS-O-NET
Made on ¼ inch mesh Waterproofed Cords. Extra strong. Dyed light fast green. **Every Cord Imbedded in Cushion Plastic** to eliminate air pockets where greatest strain occurs. **Plastic Glass Applied over Cushion and Cords** to seal everything together into one solid sheet. **Very Transparent, High Ultra-Violet Ray** transmission.

WARP'S Screen-Glass

ONLY 14¢ Sq. Ft.

WARP'S SCREEN-GLASS
Fine Mesh Wire Base. Extremely Durable for Long Service. Galvanized wire screen cloth imbedded in a solid sheet of exceptionally clear, waterproof plastic which transmits and diffuses the sun's ultra-violet rays. Holds in heat better than glass. Shatterproof unbreakable and airtight. As flexible as window screen. Cut with shears and tack up.

WARP'S EXTRA HEAVY FLEX-O-GLASS

GUARANTEED 2 YEARS

ONLY 35¢ Sq. Yd.

WARP'S FLEX-O-GLASS
Lets Thru lots of the Sun's Healthful Ultra-Violet Rays clear across the spectrum, as proved in various authentic tests and holds in heat better than glass. **Absolutely Waterproof—Unbreakable.** 124 strong, preshrunk threads per square inch. Impregnated with extra high melting point composition that will not run, discolor or melt in a window. **Extra Heavy. Extra Durable. Guaranteed 2 years**

50% MARK-UP To Dealers on all of WARP'S PRODUCTS
(Prices Shown are Retail)
SUBJECT TO CHANGE

IT PAYS TO HANDLE WARP'S COMPLETE LINE

Every one of Warp's Window Materials is the leader in its class. Backed by over 20 years of experience, and produced almost entirely under exclusive patents (granted or pending). Nothing can take the place of YEARS of product-proving in actual use, and constant research and experimenting. Only Warp's Window Materials offer the user so much for his money.

Users know that Warp's Window Materials outlast others and give better results. If your jobber can't supply your demand, please be patient, because users prefer a Window Material with the name "Warp's" printed along the edge of every yard. When you furnish them with what they want, you have more satisfied customers and greater profits.

Warp's Window Materials are Distributed by Reliable Jobbers Everywhere (Not sold by Mail Order Houses)

Manufactured by FLEX-O-GLASS MFG. CO. (Warp Bros.) 1100 N. Cicero Ave., Chicago 51, Ill.

Warp's Windows Distribute lot in lots of the Sun's Ultra-Violet Rays.

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General Manager

WILLIAM S. MILBURN
Managing Editor

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Field Editor

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Highlights OF THE ISSUE

The first of its kind to be published for the building material dealer, a compact Cyclopedia of Building Terms is included in this issue. Profusely illustrated with sketches to clarify definitions, as well as charts and specifications, the Cyclopedia, beginning on page 71, is so organized that all data can be readily located. It is a source of really usable information which the dealer will want to keep handy on his desk for help in training new workers and to which he will turn constantly as a convenient reference. In addition, experienced dealers will find the material a valuable sales aid when dealing with consumers who are not acquainted with the thousands of items that must be procured, processed and installed to make a completed house. There are lists of lumber, millwork and architectural abbreviations, blueprint symbols and a glossary of legal terms . . . There is a wealth of information to be found in the various directories featured in this issue. Starting on page 245 is the Building Products and Equipment Directory which gives names of manufacturers according to products, where the dealer can find out who makes it in a minute's time . . . The Brand Names Directory, page 328, new with this issue, will aid the dealer who knows the brand name and wants to identify it with the manufacturer . . . Other sources of information to which the dealer will refer throughout the year are the Directory of Associations, page 238; Woodwork Jobbers, page 241; Wholesalers of Building Materials, page 243, and the Lumber and Lumber Products Directory, page 306.

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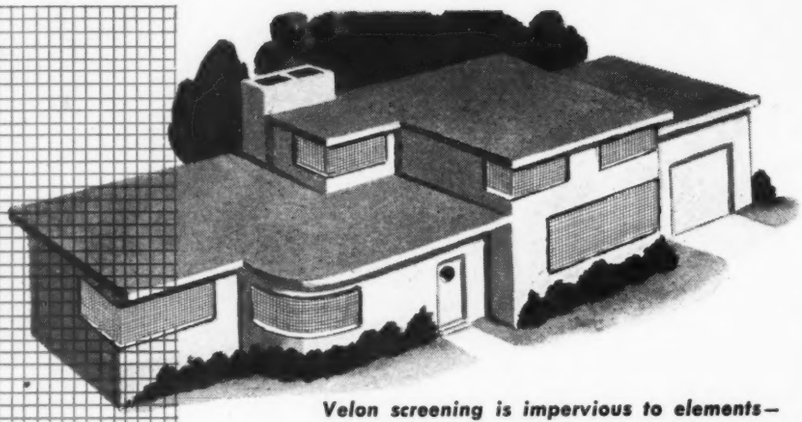


Velon screening is impervious to elements— sun, rain, sleet and salt spray. It can never corrode or rust—never advertises its presence by ugly "screen bleed" stains down the front of the house.

Velon screening resists up to six times more impact without denting, bulging or breaking, as compared with metal screen-cloth of equal gauge. No wonder—*Velon* filament has a tensile strength of *fifty-thousand pounds per square inch.*

Firestone

*Velon**

TINTED SCREENING

makes every home-owner a customer for a new set of screens

Velon screening is tinted to blend with both the exterior and the interior color scheme. *Velon* screens fit so subtly into the room décor, they virtually disappear through color harmony.

Velon is lighter, more manageable—only one-fifth the weight of metal. It cuts easily with ordinary scissors, leaves no sharp, dangerous ends, is easier to stretch taut in framing.

Listen to the Voice of Firestone Monday Evenings Over NBC

*TRADE MARK

BEST TODAY··· STILL BETTER TOMORROW

INTRODUCTION

Manual on the Fundamentals of Light Construction and Building Materials for Lumber Dealers

THE DEFINITIONS, illustrations, charts and tables in the following 64 pages have been prepared to assist lumber and building material dealers in the daily operation of their business. Much of the data is elemental but was included intentionally because of the large number of dealers who have acquired inexperienced personnel in the postwar period. A large portion of the time ordinarily required for newcomers in the industry to become acquainted with terminology as well as uses of material handled in a lumber yard can be saved by a study of the facts in this book.

Experienced dealers and yard managers will find the material a valuable sales aid, especially when dealing with consumers who are not acquainted with the thousands of items that must be procured, processed and installed to make a completed house. Likewise, few customers who plan home building or remodeling are familiar with approved methods of construction and the dealer who finds it necessary to explain various points about construction can illustrate his discussion by reference to the charts on house construction, details on house framing and illustrations and definitions in the Cyclopedia of Building Terms for Lumber Dealers.

The editors of AMERICAN LUMBERMAN realize fully the difficulties of preparing a Cyclopedia of Building Terms that can be considered complete and yet be confined within limitations that will make the material readily accessible and understandable. In addition to defining more than 1,000 of the terms frequently used in retail lumber yards and in home building, more than 200 of the terms are illustrated. To further enhance the usefulness of this Cyclopedia of Building Terms, numerous tables to facilitate estimating and correct installation of materials are scattered throughout in proper alphabetical order. For example, tables on cement are presented under "Cement"; a table on lumber weights appears under "Lumber"; a table on nail quantities and nailing instructions appears under "Nails"; a drawing illustrating the various parts of a door and door frame is included under "Door", a drawing on stair parts under "Stairs", a breakdown of the various parts of a window under "Window", etc.

In addition to its value in training inexperienced personnel, the Cyclopedia of Building Terms should assist experienced lumbermen in standardizing terminology in their organizations and in their dealing with architects and contractors. The industry as a whole, in fact, may find the Cyclopedia valuable in standardizing building material terminology used by dealers in their relations with jobbers, wholesalers and manufacturers.

Supplementing the Cyclopedia of Building Terms with its illustrations, charts and tables, are a number of drawings designed to show graphically the value of good construction and the correct application of high quality material. The House Cross Section on Pages 72 and 73 as well as the five pages of Standard Details for House Framing starting on Page 109 reveal the numerous structural members and parts of a house with their identification and correct arrangement. In addition to being educational, these drawings can be put to good use by practical salesmen as an aid in convincing anyone contemplating home building or remodeling of the need for sound, experienced advice on construction methods and selection of building material.

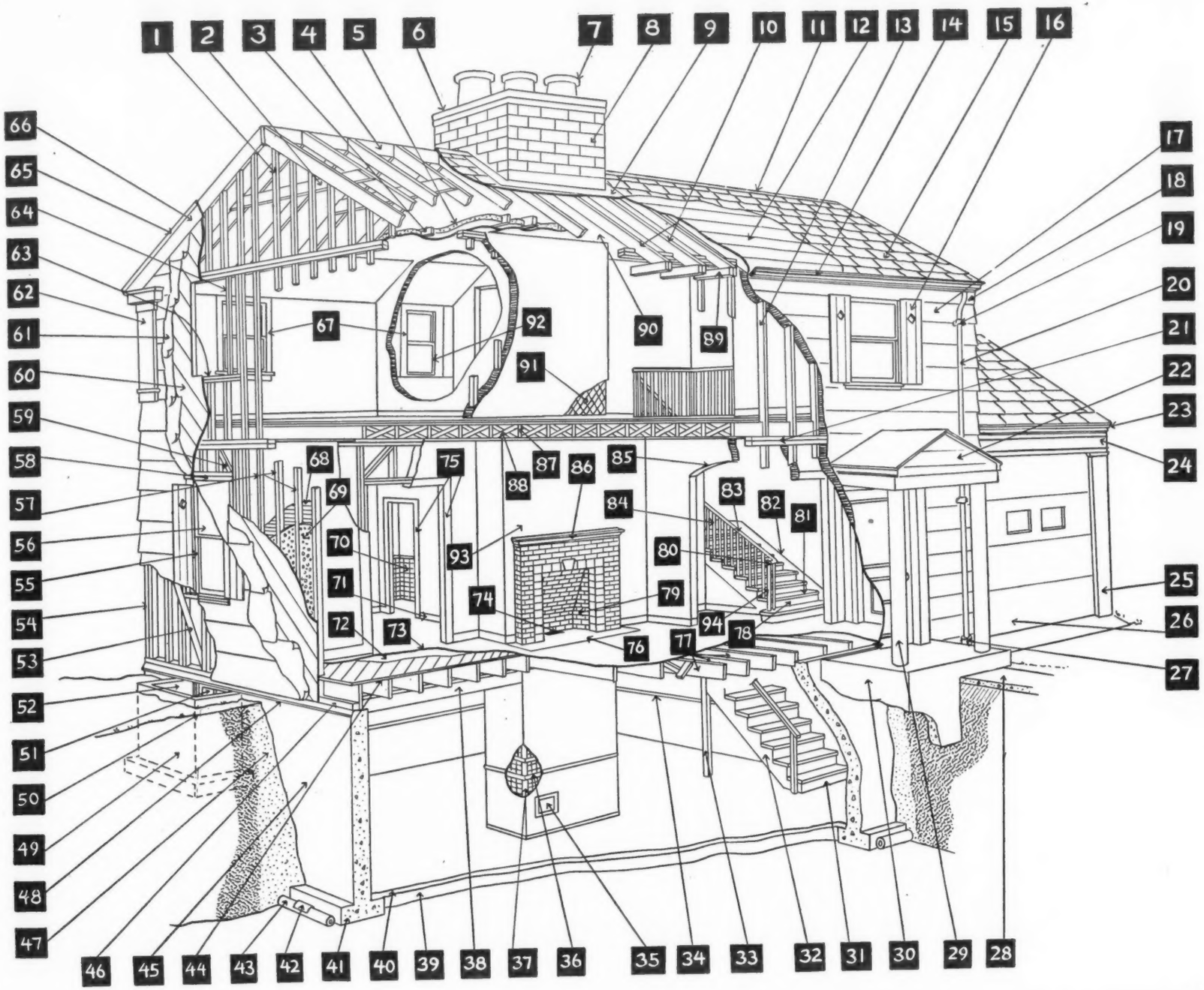
A full page in this book is devoted to standard lumber abbreviations in common use in lumber yards, in contracts and other documents concerning the purchase and sale of lumber. These can be utilized in standardizing abbreviations in lumber yards and in the industry as a whole. The same holds true for the millwork abbreviations, with special reference to windows on Page 115. Two pages of blue print symbols and what they mean, along with a group of architectural abbreviations can be helpful to experienced as well as inexperienced lumber yard personnel, in their work with blue prints and preparation of material lists. A Building Materials Check List for House Construction is offered as a guide to those whose job it is to prepare material lists.

Nine pages in this reference material section are devoted to presentation of popular sizes in new modular standards for windows and doors as approved by the Fir Door Institute, the National Door Manufacturers association and the Metal Window Institute.

Help for those who are concerned with house building specifications will be found in the Typical Specification for a House Starting on Page 128. Misunderstandings over material and application can often lead to serious difficulties culminating in costly court actions unless all details are set forth in writing and agreed to by all parties.

The exact meaning of numerous legal terms is hazy in the minds of many in the building field. Even with the aid of competent attorneys it is well for the dealer to know what legal terms imply. To assist him in doing this, a glossary of legal terms encountered in house building and light construction is presented starting on Page 132.

In presenting this manual on the fundamentals of building and building materials, the editors of AMERICAN LUMBERMAN hope it will assist management materially in training inexperienced personnel. It should also prove informative to many experienced lumbermen, not only in clarifying terminology but in assisting them to standardize terms, abbreviations and methods in their organizations, not to mention its value as a sales tool in discussing building with customers.



For Details on House Framing, See Pages 109, 110, 111, 112, and 113.

For Window Frame and Sash Parts, See Page 108.

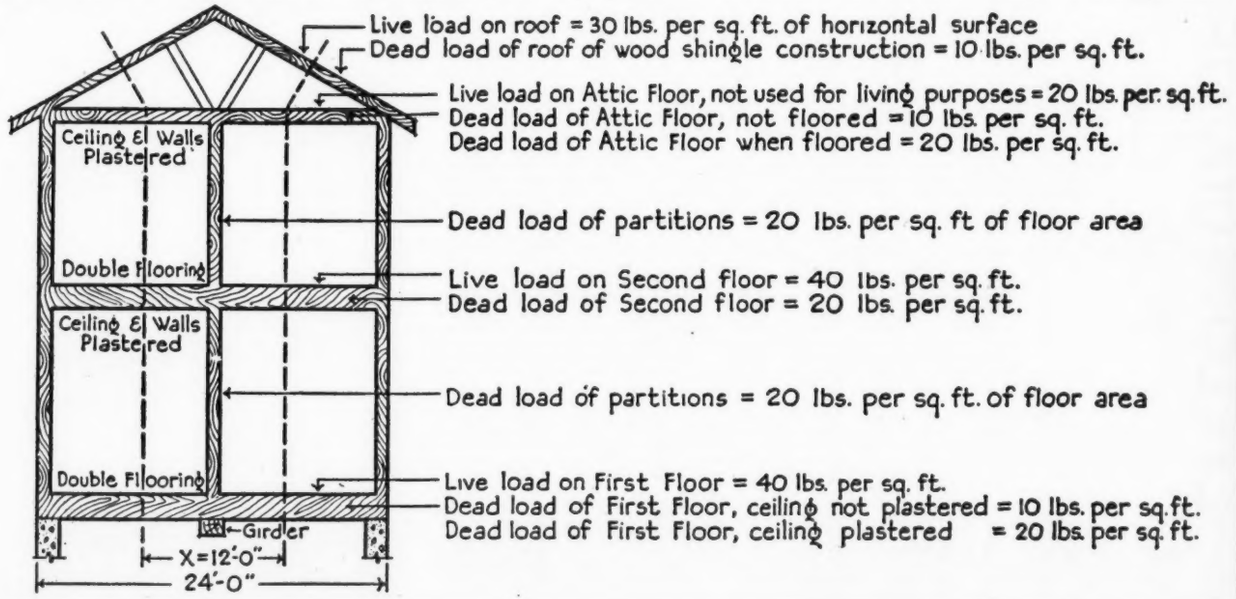
For Door Parts, See Page 85.

For Stair Parts, See Page 105.

DESCRIPTION OF NUMBERED PARTS IN HOUSE CROSS SECTION ON OPPOSITE PAGE

1—Gable stud
2—Collar beam
3—Ceiling joist
4—Ridge board
5—Insulation
6—Chimney cap
7—Chimney pots
8—Chimney
9—Chimney flashing
10—Rafters
11—Ridge
12—Roof boards
13—Stud
14—Eave trough or gutter
15—Roofing
16—Blind or shutter
17—Bevel siding
18—Downspout or leader gooseneck
19—Downspout or leader strap
20—Downspout, leader or conductor
21—Double plate
22—Entrance canopy
23—Garage cornice
24—Frieze
25—Door jamb
26—Garage door
27—Downspout or leader shoe
28—Sidewalk
29—Entrance post
30—Entrance platform
31—Basement stair riser
32—Stair stringer
33—Girder post
34—Chair rail
35—Cleanout door
36—Furring strips
37—Corner stud
38—Girder
39—Cinder or gravel fill.
40—Concrete basement floor
41—Footing for foundation wall
42—Paper strip
43—Foundation drain tile
44—Diagonal subflooring
45—Foundation wall
46—Sill
47—Backfill.
48—Termite shield
49—Areaway wall
50—Grade line
51—Basement sash
52—Areaway
53—Corner brace
54—Corner studs
55—Window frame
56—Window light
57—Wall studs
58—Header
59—Window cripple
60—Wall sheathing
61—Building paper
62—Pilaster
63—Rough header
64—Window stud
65—Cornice moulding
66—Frieze or barge board
67—Window casing
68—Lath
69—Insulation
70—Wainscoting
71—Baseboard
72—Building paper
73—Finish floor
74—Ash dump
75—Door trim
76—Fireplace hearth
77—Floor joists
78—Stair riser
79—Fire brick
80—Newel cap
81—Stair tread
82—Finish stringer
83—Stair rail
84—Balusters
85—Plaster arch
86—Mantel
87—Floor joists
88—Bridging
89—Lookout
90—Attic space
91—Metal lath
92—Window sash
93—Chimney breast
94—Newel

DIAGRAM SHOWING METHOD OF FIGURING LOADS FOR HOUSE FRAMING



CYCLOPEDIA OF BUILDING TERMS FOR LUMBER DEALERS

The "Details for House Framing" referred to in definitions appears on pages 109, 110, 111, 112, and 113. The "House Cross Section" appears on pages 72 and 73.

ABUTMENT—The solid portion of a wall or pier, which acts as a structural support.

ACCELERATOR—Any material added to gypsum plaster to speed up the natural set.

ACCESS DOOR—A door which opens to concealed equipment or seldom-used part of a building, such as a door to permit access to concealed plumbing.

ACOUSTICAL MATERIALS—For walls and ceilings. Special plasters, tile or wall materials made of mineral fibers, wood fibers, vegetable fibers, cork or metal used for control of sound.

ACOUSTICAL PLASTER—Finishing plaster with aggregates designed to correct sound reverberation. Vermiculite has been used successfully as aggregate for acoustical plaster as well as other porous materials.

ACOUSTICAL TILE—See Acoustical Materials.

ACOUSTICS—The science of sound; ability of the human ear to hear and assimilate sounds in a room or auditorium.

ADDITION—In building, any construction which increases the area or cubic contents of a building.

ADHESIVE—Mastic or glue used to hold flooring, roofing, ceiling tile or wall board in place on a smooth under-surface where nailing in place is not practical or desirable.

ADJUSTABLE KEY—A sliding door lock key with an adjustable stem or shank to adapt the length of the key to doors of various thicknesses.

ADOBE CONSTRUCTION—See Construction, Adobe.

AGGREGATE—Inert material, usually hard, used as a filler in mixing cement. Common aggregates are sand, gravel, pebbles, crushed stone, marble dust, vermiculite.

AIR CONDITIONING—The simultaneous control of temperature, humidity, movement and purity of air in buildings.

AIR DRIED LUMBER—Dried by exposure to the atmosphere without artificial heat.

ALCOVE—A large recess adjoining a room, usually accessible through an arch or cased opening.

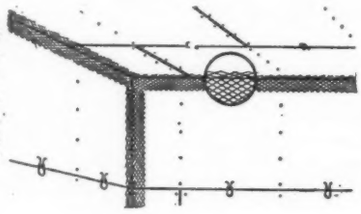
ALIGNMENT—The course or location of elements of design or construction in relation to a determined line.

ALTERATION—In building, any change in exit facilities, structural parts, or mechanical equipment which does not increase the cubic content of a building. Sometimes used to indicate any change, addition or modification in a structure.

ALUMINUM MOULDINGS—Pressed or moulded aluminum finishing strips made in a wide variety of patterns for use in building. Typical uses are for installing linoleum tops on kitchen work tables around sinks or in the installation of fiber and asbestos tile design wainscoting on kitchen and bathroom walls. See Metal Mouldings.

ANGLE IRON (IRON LINTELS)—L-shaped piece of iron used to support a masonry course over an opening. Dimensions vary with length and load. In average fireplace opening, a 3¼"x3½"x¼" angle iron is usually specified. In brick veneer walls, for openings up to 3' use 3½"x3½"x¼"—3' to 7' use 3½"x3½"x⅜"—7' to 8' use 3½"x3½"x½"—8' to 10' use 5"x3½"x½".

ANGLE REINFORCING—For walls and ceilings. A wire mesh fabric applied over rock lath or insulation board lath at all inner corners of the wall and ceiling angles.



ANCHOR BOLTS—Bolts to secure a wooden sill to concrete or masonry floor or wall. See Fig. 12 of Details for House Framing.

ANTI-FRICTION AXLE PULLEY—A pulley for window sash with the axle in roller bearings.

ANTI-FRICTION BOLT—A lock latch-bolt provided with a device to reduce friction as the bolt slides when door is closed.

APPENDAGE—Any structure attached to the outside of a building but not essential to its stability.

APRON—Material which by shape or use suggests an apron. (a) The horizontal piece of wood trim, plain or moulded, to finish below the stool of a window; (b) A strip, usually of lead, attached to a wall to overlap the flashing and to protect a joint; (c) A piece of board for conducting loose material past an opening. See Window.

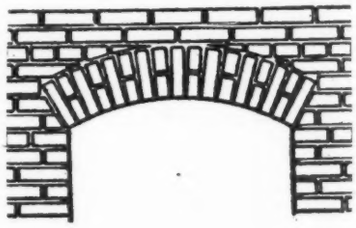
ARABESQUE—Species of ornament to enrich flat surfaces. It may be either painted, inlaid in mosaic, or carved in low relief.

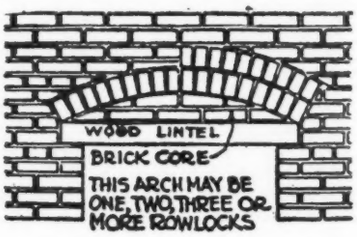
ARCH—Construction of any material so arranged as to support itself by mutual pressure and also capable of sustaining any superimposed weight. The curved top of any opening.

ARCH CENTERS—Substructures, usually of timber or plank, on which a masonry arch or vault is built and on which it rests until completed and self-supporting.

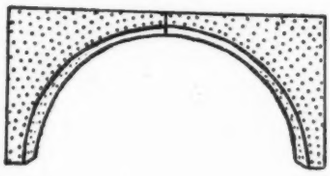
ARCHES, LAMINATED—Thin strips of wood nailed or glued together to form an arched rafter.

ARCHES, MASONRY—At right are two types of masonry arches commonly used in residential construction.





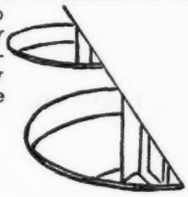
ARCHES, METAL—Ready-formed plastering arches for doorways or other arched openings. Eliminates two difficult operations—the construction of curved wooden forms and the forming of corner bead around those curves. Made for standard 2x4 partitions.



ARCHITRAVE—The lower division of the entablature.

ARCHIVOLT—Mouldings on the face of an arch.

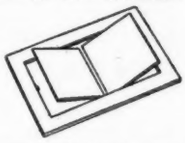
AREAWAY—An open subsurface space adjacent to a building to admit light or air or as a means of access to a basement. When a house is built close to the ground with the finish floor line only 12" to 20" above ground level, the basement windows will be partially below ground level. The excavations around the windows are called "areaways."



AREAWAY WALLS—Walls supporting earth around areaways. Also called "window walls." Commonly constructed of concrete, concrete blocks, brick, rubble stone, steel.

ARMORED FRONT—A device, secured to the regular front of a lock by machine screws to protect the set screw that checks the cylinder and also to protect the front of the lock while the door is painted or while the lock is mortised.

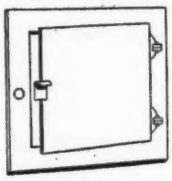
ASH DUMP—Small cast iron frame with one or two counterbalanced iron leaves used on the floor of a fireplace through which ashes may be disposed of; to the ash pit in the base of the chimney.



ASHLAR—Hewn or squared stone as distinguished from that which is unhewn or rough as it comes from the quarry.

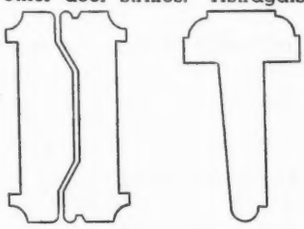
ASHLAR BRICK—Thin brick made especially for facing walls.

ASH PIT DOOR—A small cast iron or pressed steel door with frame built in the base of a fireplace (ash pit) through which ashes may be removed from the ash pit. Also used in the bottom of a chimney for the removal of soot from chimney. Also called "clean-out door."



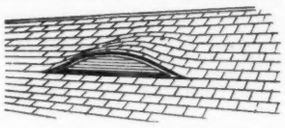
ASPHALT—Most native asphalt is a residue from evaporated petroleum. It is insoluble in water but is soluble in gasoline and melts when heated. Used widely in building for waterproofing, roof coverings of many types, exterior wall coverings, flooring tile, etc.

ASTRAGAL—Moulding attached to one of a pair of swinging doors against which the other door strikes. Astragals for sliding doors are designed male and female—one is placed on the door and the other on the jam for single doors and one on the meeting edge of each door in a pair. Also a sash bar. Also a small semicircular moulding or bead encircling a column or post below the capital.

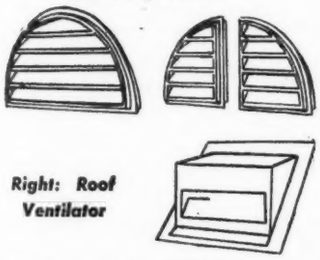


ATTIC VENTILATORS—In home building, usually attic louvres. Also mechanical devices to force ventilation by the use of power-driven fans or by wind-driven devices. See Louvres.

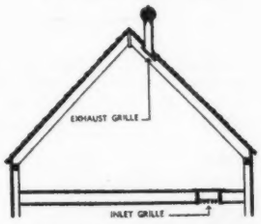
Ventilating Louvre



Ventilating Eyebrow



Right: Roof Ventilator



Wind-driven Ventilator

ASTRAGAL FRONT—A lock with a form on the front that conforms in shape with the edges of a door with astragal moulding.

ASYLUM LOCK—A lock especially protected against tampering. Used on doors of insane asylums.

ATTIC—The open space between ceiling joists and roof rafters. The attic story of a building is the space enclosed by the attic; hence, the top story. See House Cross Section.

ATTIC FRAMES AND SASH—Especially designed windows to admit light to attics.

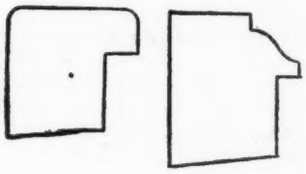
ATTIC LOUVRES—To ventilate attics. See Louvres.

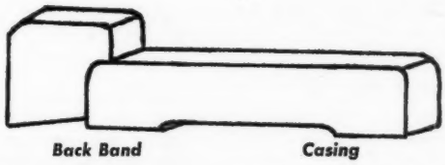
AUTOMATIC HEAT—An installation where it is not necessary to attend the heating plant by hand, where fuel is fed to the boiler or furnace mechanically as in oil burners, coal stokers and mechanically controlled gas burning installations, and the temperature and operation of the heating plant is controlled by thermostats.

AXLE PULLEY—Same as Frame Pulley.

B

BACK BAND—Moulding used on the side of a door or window casing for ornamentation or to increase the width of the trim.





Back Band *Casing*

BACK FILL—The replacement of excavated earth into a pit or trench or against a structure. A basement excavation for a home is often 2 feet wider and 2 feet longer than the house itself so as to provide adequate working space and also, when desired, space to work in when waterproofing outside of basement wall. See House Cross Section.

BACK PLATE—A plate used on the inside of a door to frame the opening for a letter drop or plate on the front of the door.

BACK PUTTY—See Putty.

BACKSET—For a door lock, the horizontal distance from the front of the lock to a center line through the key hole or knob.

BACK-UP STRIPS OR LATHING BOARDS—Strips nailed at angles of walls and partitions to make solid corners for nailing ends of lath. Commonly called "backing." 1x6 boards are usually used. See Fig. 19 of Details for House Framing.

BACKWATER VALVE—An automatic valve set in the sewer lateral to prevent sewerage from backing into the basement or into plumbing fixtures during flood periods.

BALANCE, SASH—See Sash Balance.

BALCONY—A platform projecting from the wall of a building, enclosed by a balustrade or a parapet.

BALL-BEARING BUTT—A butt with a roller or ball bearing.

BALLOON FRAMING—A type of house framing. See Fig. 1 of Details for House Framing.

BALUSTERS—Small spindles or columns forming the main part of a railing for stairway or balcony, fastened between a bottom and top rail.

BALUSTRADE—A row of small balusters supporting a coping or cornice and forming a parapet or enclosure.

BARGE BOARD—The larger rake member of a house exterior cornice. See Verge Board.

BAR HANDLE—A handle for doors, consisting of a horizontal bar mounted on one or more brackets.

BARN DOOR HANGER—A sheave mounted in a frame attached to a sliding barn door that travels on an overhead rail to carry the door.

BARN DOOR LATCH—A heavy thumb latch.

BARN DOOR PULL—Large cupped pull for heavy doors.

BARN DOOR ROLLER—A sheave mounted in a frame attached to the bottom of a barn door that travels on a rail on the floor carrying the door.

BARN DOOR STAY—A small roller, frequently mounted on a spike or screw to guide a sliding door.

BARN SASH—Small sash used in barns and other farm service buildings, usually 4 or 6 light.

BARN SIDING—Wood drop siding or tongued and grooved boards used in enclosing a barn or other farm building.

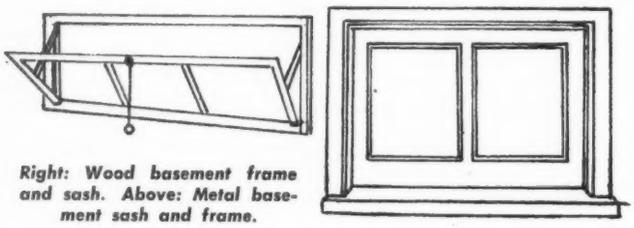
BARREL BOLT—A round bolt mounted on a plate with a frame projecting from its surface to hold the bolt in place and guide it.

BASE OR BASE BOARD—A board placed against the wall around a room next to the floor to finish properly between floor and plaster. Perimeter of room in lineal feet is number of lineal feet required. See Door and Frame unit.

BASE MOULDING—Moulding used to trim the upper edge of interior base board.

BASE SHOE—Moulding used next to the floor on interior base board. Sometimes called a carpet strip.

BASEMENT FRAMES AND SASH—Wood or metal windows

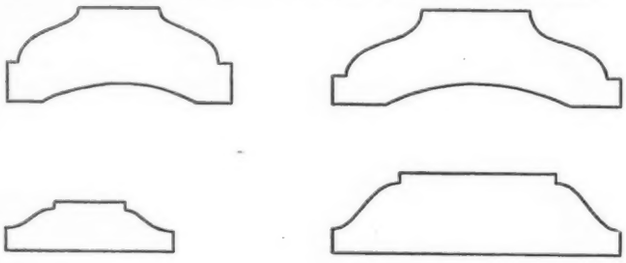


Right: Wood basement frame and sash. Above: Metal basement sash and frame.

used for basement openings. Usually two or three light.

BASTARD SAWN—Hardwood lumber in which the annual rings make angles of 30 to 60 degrees with the surface of the piece.

BATTEN—Narrow strips of wood or metal used to cover joints of sheathing or other material to keep out the weather.



Battens

BATTEN DOOR—A door made from sheathing secured by strips of boards fastened crosswise.

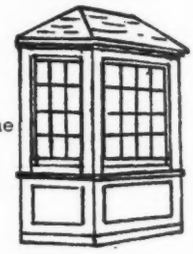
BATTER—Inward slope of exterior face of a wall, usually making a reduction in thickness as the wall ascends. Embankment walls are usually battered.

BATTER BOARD—One of a pair of horizontal boards nailed to posts set at the corners of an excavation, used to indicate the desired level, also as a fastening for stretched strings to indicate outlines.

BATTER RULE—Instrument consisting of a rule or frame and a plumb line by which the batter or slope of a wall is regulated in building.

BATT INSULATION—Blanket insulation made in short lengths 2, 3 or 4 feet long, to facilitate handling and installation.

BAY—A bay is properly called a "bow" and is any projecting part of a building in the form of an arc or polygon.



BAY WINDOW—A window placed in the bay or "bow" of a building.

BEAD, CORNER—See Corner Bead.

BEAM—A term generally applied to the principle horizontal members of a building, so installed as to support the load of the structure. Beams may be made of wood, steel or other material. Also called girders. In lumber terminology, beams and stringers are structural material 5 inches and thicker by 8 inches and wider and graded for use horizontally with load applied on the narrow face, or in tension. See Fig. 9 of Details for House Framing.

BEAM FILL—Masonry or concrete to fill the spaces between joists between basement or foundation wall and framework of a structure. Purpose is to provide a fire-stop for outside walls from basement fires. See Figs. 10 and 12 of Details for House Framing.

BEARING—The point of support on a wall, pillar, beam, or structural member.

BEARING PARTITION—A partition which supports any vertical load in addition to its own weight.

BEARING WALL—A wall which supports any vertical load in addition to its own weight.

BED IN PUTTY—To place putty in the rabbet of a sash before the glass is inserted or set. See Putty.

BED MOULDING—A moulding in an angle, as between the overhanging cornice, or eaves, of a building and the sidewalls.

BELL TRAP—A covered iron receptacle placed in concrete floors and attached to drainage lines to carry away water from the floor.

BETWEEN GLASS—The thickness of a member between two lights of glass.

BEVEL—One side of a solid body is said to be on a bevel with respect to another when the angle between the two sides is greater or less than a right angle.

BEVEL OF DOOR—Refers to the angle on the front edge of a door. The usual bevel is 1/8" to 2".

BEVEL OF LOCK—Term to describe the direction of the bevel of the latch bolt. "Regular bevel" usually indicates a lock that functions on a door opening in, and "reverse bevel" indicates a lock for a door opening out.

BEVEL SIDING—(LAP SIDING)—Used as the finish siding on the exterior of a house or other structure. It is usually manufactured by "resawing" dry square surfaced boards

diagonally to produce two wedge-shaped pieces. These pieces commonly run from 3/16" thick on the thin edge to 1/2" to 3/4" inch thick on the other edge, depending on the width of the siding.—See House Cross Section.

BIBB—A water faucet threaded so a hose may be attached to carry water.

BIRD'S EYE—A small central spot with the wood fibers arranged around it in the form of an ellipse so as to give the appearance of an eye, such as in bird's eye maple.

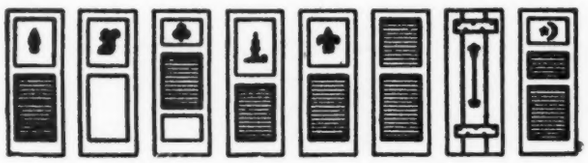
BIT—Of a key, the blade which projects and engages either or both the bolt and tumblers of a lock. Same as Wing.

BIT-KEY LOCK—A lock operated with a key having a wing bit.

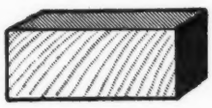
BITTING—A cut or indentation on the portion of a key that sets the tumblers.

BLANKET INSULATION—Mineral, wood or glass fibers formed into light-weight blanket of uniform thickness and securely fastened to heavy paper, usually of the asphalt-treated or vapor-barrier type. Blanket insulation is usually made in 15-inch widths to facilitate installation between 16" on center studding.

BLINDS—(SHUTTERS)—Light, wooden sections in the form of doors to close over windows to shut out light, give pro-



tection or add temporary insulation. Commonly used now for ornamental purposes, in which case they are fastened rigidly to the building. See House Cross Section.



BLIND STOP—A rectangular moulding, usually 3/4"x1 3/8", used in the assembly of a window frame. See Window.

BLIND TENONED—Any paneled assembly made with the tenons on the ends of the rails mortised into, but extending only part way through the stile. See Joints.

BLOCK FLOORING—WOOD—Small squares of flooring, made from narrow, short strips of regular flooring, or in solid blocks of wood. Sizes, thicknesses vary with end use desired.

BLOCKS, CEMENT—Generally made in three sizes, 8"x8"x 16", 8"x10"x16" and 8"x12"x16". For basement walls of small homes, the 8"x8"x16" size is used. For brick veneer, 8"x10"x16" blocks are used to the grade line where brick veneer starts. Following a decision in 1943 to adopt modular sizes as standard for the concrete masonry industry, manufacturers of concrete masonry units are converting to modular sizes. These sizes are based on a nominal face size of 8"x16" with a standard mortar joint of 3/8", making the actual face size of the units 7 5/8"x15 5/8".

BLOCKS, CHIMNEY—Cement blocks 12 inches square, 6" or 8" thick, so designed as to form a continuous, round flue when placed one on top of another.

BLOCKS, CINDER—Made with cinders as the aggregate instead of sand or gravel. Made in the same sizes as cement blocks.

BLOCKS, GLASS—Structural glass blocks of varying sizes are manufactured to use in walls to admit light, and for decorative purposes.

BLOCKS, GYPSUM—Used for non-load-bearing partitions.

BOAT LUMBER—Commonly refers to wide boards, 12" to 16" in width, of light-weight clear wood, such as redwood, red cedar or white pine, used to build small boats.

BOARD, ACOUSTICAL—See Acoustical Materials.

BOARD, FIBER OR INSULATION—See Insulation Board.

BOARD SHEATHING—Composition. See Insulating Board Sheathing.

BOARDS—Yard lumber less than 2 inches thick and 8 or more inches wide. Narrower material is usually referred to as "strips."

BOARD, WALL—See Wall Board.

BOARDS, ROOF—See Roof Boards.

BOARD FEET—Unit of measurement by which lumber is sold in the United States. A board foot is the equivalent of a piece of lumber 1 inch thick, 12 inches wide and 1 foot long, or a square foot of lumber 1 inch thick. To figure board feet multiply the width by the thickness (in inches) by the length (in feet) then divide by 12. Another method is to multiply the square feet of surface by thickness in inches.

BOARD MEASURE LUMBER TABLE

Showing Number of Feet—Per Piece

Nominal Sizes (Inches)	Length in Feet: 8	9	10	12	14	16	18	20	22
1x2	1 1/3	1 1/2	1 2/3	2	2 1/3	2 2/3	3	3 1/3	3 2/3
1x3	2	2 1/4	2 1/2	3	3 1/2	4	4 1/2	5	5 1/2
1x4	2 2/3	3	3 1/3	4	4 2/3	5 1/3	6	6 2/3	7 1/3
1x5	3 1/3	3 3/4	4 1/6	5	5 5/6	6 2/3	7 1/2	8 1/3	9 1/6
1x6	4	4 1/2	5	6	7	8	9	10	11
1x8	5 1/3	6	6 2/3	8	9 1/3	10 2/3	12	13 1/3	14 2/3
1x10	6 2/3	7 1/2	8 1/3	10	11 2/3	13 1/3	15	16 2/3	18 1/3
1x12	8	9	10	12	14	16	18	20	22
1 1/4x4	3 1/3	3 3/4	4 1/6	5	5 5/6	6 2/3	7 1/2	8 1/3	9 1/6
1 1/4x6	5	5 5/8	6 1/4	7 1/2	8 3/4	10	11 1/4	12 1/2	13 3/4
1 1/4x8	6 2/3	7 1/2	8 1/3	10	11 2/3	13 1/3	15	16 2/3	18 1/3
1 1/4x10	8 1/3	9 3/8	10 5/12	12 1/2	14 7/12	16 2/3	18 3/4	20 5/6	22 11/12
1 1/4x12	10	11 1/4	12 1/2	15	17 1/2	20	22 1/2	26	27 1/2
2x4	5 1/3	6	6 2/3	8	9 1/3	10 2/3	12	13 1/3	14 2/3
2x6	8	9	10	12	14	16	18	20	22
2x8	10 2/3	12	13 1/3	16	18 2/3	21 1/3	24	26 2/3	29 1/3
2x10	13 1/3	15	16 2/3	20	23 1/3	26 2/3	30	33 1/3	36 2/3
2x12	16	18	20	24	28	32	36	40	44
3x3	6	6 3/4	7 1/2	9	10 1/2	12	13 1/3	15	16 1/2
3x4	8	9	10	12	14	16	18	20	22
3x8	16	18	20	24	28	32	36	40	44
4x4	10 2/3	12	13 1/3	16	18 2/3	21 1/3	24	26 2/3	29 1/3
4x6	16	18	20	24	28	32	36	40	44
4x8	21 1/3	24	26 2/3	32	37 1/3	42 2/3	48	53 1/3	58 2/3
6x6	24	27	30	36	42	48	54	60	66
6x8	32	36	40	48	56	64	72	80	88
8x8	42 2/3	48	53 1/3	64	74 2/3	85 1/3	96	106 2/3	117 1/3

BOLT—A bar designed to prevent a door from being opened when it is so set.

BOND—The connection between units of any masonry structure formed by lapping them upon one another in such a way as to break joints vertically and horizontally and form an inseparable mass. In common brick work, every sixth course of brick, called headers, are laid crosswise of the wall. Various other bonds are used in laying up face brick.

BOOKCASE BOLT—A bolt that automatically fastens or releases one of a pair of bookcase doors when the other is opened or closed.

BOTTOMBOLT—A bolt used on the bottom of a door, usually so designed that friction prevents the bolt from dropping until released into the locking position.

BOW—A form of warp resulting in distortion of a board in which the face is convex or concave longitudinally. See Warp.

BOW WINDOW—Same as "bay" window.

BOX OR SQUARE BOLT—Same as barrel bolt, only the bolt itself is square or flat.

BOX SILL—A header nailed on the ends of the joists and resting on a wall plate. Used in frame building construction. See Fig. 1, 3 and 4 of Details for House framing.

BOX STRIKE—A strike with the opening which receives the bolt boxed or enclosed making access from the rear impossible.

BRACE—An inclined piece of lumber used to form a triangle and thereby stiffen a structure. A brace to support a rafter is called a "strut." See Fig. 33 of Details for House Framing.

BRICK—Building material made from clay by molding to shape while soft and hardening with heat. The ordinary red color is due to iron compounds which are converted into red oxide. This color can be altered to a greenish blue by enough heat to vitrify the surface or into brown or yellow by mixing lime or megnesia with the clay. Bulk of American brick are 2 1/4x3 3/4x8 inches. The new modular brick are all 3 1/2 inches wide and 7 1/2 inches long but vary in height—2 1/6", 2 1/2" and 3 1/2".

Materials required for 100 Sq. Ft. of Brick Wall
(Brick 2 1/4x3 3/4x8)

Wall Thickness	No. of Brick	Cu. Ft. Mortar
4"	620	7 1/2
8"	1235	20
12"	1850	34

Materials required per lineal foot of chimney.
(Based on 1/2" mortar joints)

Flue Size	No. of Brick	Cu Ft. Mortar
1— 8x 8	27	.05
1— 8x12	31	.06
1—12x12	36	.08
2— 8x 8	45	.10
2— 8x12	58	.12
2—12x12	68	.15

On a cubic foot basis, figure 20 brick per cubic foot.

BRACED FRAME—A type of house framing. See Fig. 2 of Details for House Framing.

BRACKET—A general term for any type of support projecting from a wall, whether made of wood, metal, stone or other material. Generally used to support a shelf or overhang.

BRASHNESS—A condition of wood characterized by low resistance to shock and by abrupt failure across the grain without normal splintering.

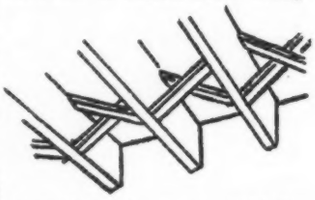
BREAK—An interruption in the continuity of a member or surface, or a change in direction.

BRICK CONSTRUCTION—See Construction, Brick.

BRICK, FIRE—Made from fire clay to withstand high temperatures without crumbling. Size 2½x4½x9.

BRICK VENEER—A facing of brick laid against frame or tile wall construction. See Construction, Brick-Veneer.

BRIDGING—The stiffening of floor joist and partition studs by fastening small pieces in between is called solid bridging. Where a double row of diagonal bracing in opposite directions is used in a joist span, it is called "cross bridging". All joist spans less than 9 feet should have one row of cross bridging. Longer spans require 2 rows. To find the amount of lineal feet required for a row of bridging, figure 2½ times the length of the run. Bridging is usually made from 1x2, 1x3, 1x4 or 2x2. See Fig. 27 of Details for House Framing. Also House Cross Section.



BROWN COAT—Coat of plastering directly under the finish coat. In two-coat work, brown coat refers to the base coat of plaster applied over the lath. In three-coat work, the brown coat refers to the second coat applied over a scratch coat. Brown coats are applied with a fairly rough surface to receive the finish coat.

BUILDING PAPER—Insulating paper applied between the sheathing and outer wall to stop wind infiltration. See House Cross Section.

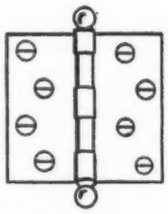
BUILT-UP ROOF—Roofing applied in sealed waterproof layers where there is very little slope or pitch.

BULKHEAD—Boxlike structure rising above a floor, roof, etc., to cover a stairway or elevator.

BULL NOSE—An external angle which is rounded to eliminate a sharp corner. Used largely at window returns and door frames. Advantages are ease of cleaning and durability.

BUNGALOW SIDING—Term usually applied to bevel siding 8 inches or more in width. See Siding.

BUTT OR BUTT HINGE—A door hinge designed for use on the butt or edge of a door in contradistinction to a strap or flat hinge applied on the surface of a door.



BUTT JOINT—The point where the ends of two timbers or other members meet in a square-cut joint. See Joint.

C

CABINET LOCK—A lock designed for use on cabinet work and furniture.

CALCIUM CHLORIDE—A salt granulate used in cold weather with water in mixing concrete and mortar to lower its freezing point. Also used to dehydrate air in moist rooms, especially basements and to lay dust on dirt roads in dry weather.

CAMBER—The convexity of a truss or beam to offset weight or pressure which might result in its becoming concave.

CANOPY—A projection over doors or windows as a protection against the weather. See House Cross Section.

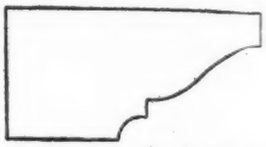
CANTILEVER—A projecting beam or member supported at only one end, built into a wall or pier. A bracelike member supporting a cornice or balcony.

CAP—The upper member or a column, pilaster, door cornice, moulding, etc.

CAPITAL—The top ornamental feature of a column or pilaster.

CAP, LOCK—The removable lid of a lock. Also referred to as Cover.

CAP MOULDING—Moulding used at the top of window and door trim to ornament the plainness of the trim.



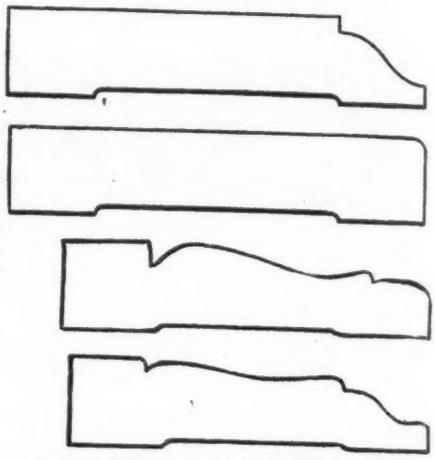
CAPPED BUTT—A hinge with a cap to cover the fastening screws of each leaf. The cap is attached to the butt with small screws.

CARD PLATE—A plate designed for use on drawers or doors to hold a label or card carrying information.

CARPET STRIP—See Base Shoe.

CASED OPENING—An opening without doors, finished with jambs and trim.

CASING—Wide moulding of various widths and thicknesses used to trim door and window openings.

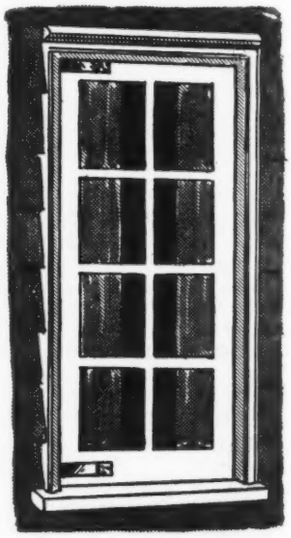


CASE, LOCK—The box or enclosure which contains the bolts and mechanism.

CASEMENT ADJUSTER—A rod or handle for adjusting and fastening the sash of casement or French Windows.

CASEMENT FASTENER—The catch for securing a casement or French Window.

CASEMENT FRAMES AND SASH—Frames of wood or metal enclosing part or all of the sash, which may be opened by means of hinges affixed to the vertical edges.



CAULKING COMPOUND—A mastic especially designed to seal out the weather around the exterior edges of window and door frames.

CEDAR CLOSET LINING—A thin tongue and groove board for lining closets. Made from red cedar, whose aromatic qualities protect clothes from moths. For amount required, add to square feet of surface to be covered, the following percentages: ⅜x1½ inches—33 1/3 percent; ⅜x2 inches—25 percent; ⅜x2½ inches—20 percent; ⅜x3¼ inches—23 percent.

CEDAR POSTS—Made from small white cedar trees for use as fence posts. Usual lengths are 7, 8 and 10 feet with diameter from 2 to 8 inches. 10-foot posts with cross arms attached may be used for clothes line posts.

COVERING CAPACITIES AND APPROXIMATE NAIL REQUIREMENTS OF CERTIGRADE RED CEDAR SHINGLES

(Including the number of square feet covered by four-bundle squares, three-bundle squares, and single bundles for exposures given, as well as nail quantities required for each exposure.)

Shingle Exposure in Inches	No. 1 GRADE SIXTEEN INCH SHINGLES						No. 1 GRADE EIGHTEEN INCH SHINGLES						No. 1 GRADE TWENTY-FOUR INCH SHINGLES					
	NAIL SIZE: 3d, 1¼-inch long						NAIL SIZE: 3d, 1¼-inch long						NAIL SIZE: 4d, 1½-inch long					
	Four-Bundle Square		Three Bundle Square		One Bundle		Four-Bundle Square		Three Bundle Square		One Bundle		Four-Bundle Square		Three Bundle Square		One Bundle	
	Coverage in Sq. Ft.	Pounds Nails	Coverage in Sq. Ft.	Pounds Nails	Coverage in Sq. Ft.	Pounds Nails	Coverage in Sq. Ft.	Pounds Nails	Coverage in Sq. Ft.	Pounds Nails	Coverage in Sq. Ft.	Pounds Nails	Coverage in Sq. Ft.	Pounds Nails	Coverage in Sq. Ft.	Pounds Nails	Coverage in Sq. Ft.	Pounds Nails
3½	70	2⅞	52½	2⅛	17½	¾												
4	80	2½	60	1⅞	20	⅝	70	2½	52½	1⅞	17½	⅝						
4½	90	2¼	67½	1⅔	22½	⅝	80	2¼	60	1⅔	20	⅝						
5	**100***	2	**75**	1½	**25**	½	90	2	67½	1½	22½	½						
5½	110	1¾	82½	1⅜	27½	½	**100***	1¾	**75**	1⅜	**25**	½						
6	120	1⅔	90	1¼	30	⅜	108	1⅔	81	1¼	27	⅜	80	2⅓	60	1¾	20	⅝
6½	130	1½	97½	1⅛	32½	⅜	117	1½	87	1⅛	29	⅜	90	2⅛	67½	1⅝	22½	½
7	140	1⅜	105	1⅓	35	⅓	127	1⅜	94	1⅛	31	⅓	95	2	72	1½	24	½
7½	†**150**	1⅓	**112½**	1	**37½**	⅓	136	1⅓	102	1	34	⅓	**100***	1⅞	**75**	1⅜	**25**	½
8	*160*		*120*		*40*		145	1¼	108	1	35	⅓	106	1¾	79½	1⅓	26½	½
8½	*170*		*127½*		*42½*		†**154**	1¼	**115**	[illegible]	33	¼	113	1⅔	84	1¼	28	½
9	*180*		*135*		*45*		*163*		*120*		*40*		120	1½	90	1⅛	30	⅜
9½	*190*		*142½*		*47½*		*172*		*129*		*43*		127	1½	95	1⅛	31½	⅜
10	*200*		*150*		*50*		*181*		*135*		*45*		133	1½	99	1⅛	33	⅜
10½	*210*		*157½*		*52½*		*190*		*142*		*47*		140	1⅓	105	1	35	⅓
11	*220*		*165*		*55*		*200*		*150*		*50*		†**147**	1¼	**110**	1	**36½**	⅓
11½	*230*		*172½*		*57½*		*209*		*156*		*52*		*153*		*114*		*38*	
12	‡**240**		**180**		**60**		*218*		*163*		*54*		*160*		*120*		*40*	
12½							*227*		*171*		*57*		*166*		*124½*		*41½*	
13							*236*		*177*		*59*		*172*		*129*		*43*	
13½							*245*		*183*		*61*		*180*		*135*		*45*	
14							‡**254**		**190**		**63**		*186*		*139½*		*46½*	
14½													*192*		*144*		*48*	
15													*200*		*150*		*50*	
15½													*206*		*154½*		*51½*	
16													‡**212**		**159**		**53**	

* Maximum exposure recommended for roofs.
† Maximum exposure recommended for single-coursing on side walls.
‡ Maximum exposure recommended for double-coursing on side walls.
Figures in italics are inserted for convenience in estimating quantity of shingles needed for wide exposures in double-coursing, with butt-nailing. In double-coursing, with any exposure chosen, the figures indicate the amount of shingles for the outer courses. Order an equivalent number of squares or bundles of No. 2 or No. 3 shingles for the concealed courses.

CEDAR SHINGLES—Manufactured from western red cedar for roofing and siding.

CEILING—

Ceiling Lumber (Edge Beading)

CEILING HOOK—A hook, usually with two prongs, designed for attachment to ceilings or on the under side of shelves.

CELLAR FRAMES AND SASH—See Basement Frames and Sash.

SHINGLES AND NAILS REQUIRED FOR OVER-ROOFING (180 square feet roof area):

	Bundles	Size Nails	Weight Nails
16-inch shingles, 5 inch exposure	4	5d (1¾-inch)	3½ lbs.
18-inch shingles, 5½ inch exposure	4	5d (1¾-inch)	3 lbs.
24-inch shingles, 7½ inch exposure	4	6d (2 inch)	3½ lbs.

SHINGLES AND NAILS REQUIRED FOR DOUBLE-COURSING (180 square feet wall area):

	Bundles	Size Nails	Weight Nails
No. 1 16-inch shingles, 12 inch exposure	1⅔	5d* (1¾-inch)	1½ lbs.
No. 2 16-inch shingles, undercourse	1⅓	3d (1¼-inch)	⅔ lb.
No. 1 18-inch shingles, 14 inch exposure	1⅓	5d* (1¾-inch)	1 lb.
No. 2 18-inch shingles, undercourse	1⅓	3d (1¼-inch)	½ lb.
No. 1 24-inch shingles, 16 inch exposure	1⅙	5d* (1¾-inch)	⅞ lb.
No. 2 24-inch shingles, undercourse	1⅙	3d (1¼-inch)	⅝ lb.

(*Small Headed.)

CEMENT BLOCKS—Blocks in which the principal component materials are cement and sand or gravel formed into shape under pressure. See Blocks, Cement.

CEMENT, BRICK—A waterproofed masonry cement used for every kind of brick, tile, concrete block or stone masonry and also in stucco work.

Use one part of brick mortar to three equal parts of sand. A bag of brick mortar usually requires two buckets of water in mixing. Each bag of brick cement contains one cubic foot. Nine sacks of brick mortar mixed with 27 cubic feet of sand make a cubic yard of mortar, which will lay 1500 to 1800 bricks.

CEMENT COLORS—A special mineral pigment used to color cement. When color is desired in cement floors, the cement work is done in two operations. For example, first a base coat of 3 inch concrete may be poured in the usual manner and left rough. Then the topping coat usually one inch thick, containing the mineral coloring is laid on top.

The following quantities of cement color are required to lay 100 square feet of floor topping one inch thick: 27 pounds of concentrated cement color to be mixed with not more than five gallons of water, including the moisture in the aggregates. For ¾ inch topping deduct 25 percent from the above quantities and for ½ inch topping deduct 50 percent from above quantities.

CEMENT, HiEARLY—A specially prepared portland cement to give quick strength to concrete work. Used frequently when temperature is below freezing.

CEMENT, KEENE'S—The whitest finish plaster obtainable which produces a wall of extreme durability. Because of its density it excels for a wainscoting plaster for bathrooms and kitchens and is also used extensively for the finish coat in auditoriums, public buildings and other places where walls will be subjected to unusually hard wear or abuse. A bag of Keene's cement weighs 100 pounds and contains 1.3 cubic feet.

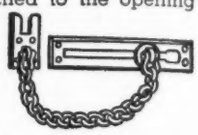
CEMENT PLASTER—Gypsum plaster formulated to be used with the addition of sand for base-coat plaster. Also called neat goods or compound.

CEMENT, PORTLAND—It is used as the binder for sand and gravel or other aggregate for making concrete. A sack of cement weights 92 pounds and contains one cubic foot of material. One barrel is four sacks.

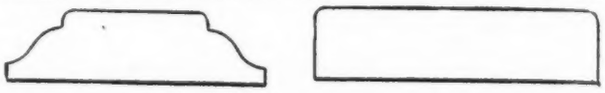
CEMENT, WHITE—Portland cement is gray in color. When whiteness is required, a cement specially burned to make it white is used. It has the same qualities as portland cement.

CHAIN BOLT—A bolt designed for attachment at the top of a door, with a chain attached to actuate the bolt against the pressure of a spring to hold the bolt in the locking position.

CHAIN DOOR FASTENER—A chain, substantially built, with one end secured to a plate to be attached to the opening edge of a door. The other end of the chain carries a hook or ball to be inserted in a sliding slot to be attached to the door casing so that the door can be opened only a few inches unless the chain is released from the slide.



CHAIR RAIL—A horizontal wood moulding on an interior



wall to protect it from being damaged by the backs of chairs. See House Cross Section.

CHASE—A recess in a masonry wall designed to carry pipes or conduit.

CHECK—In lumber. A lengthwise separation of the wood, which usually occurs across the rings of annual growth.

RECOMMENDED MIXTURES FOR CONCRETE

Until the recent discovery that the strength, durability and watertightness of concrete depend upon the proportion of water to portland cement, it was customary to specify mixtures as one part cement to a certain number of parts of sand and pebbles. Modern practice is to state the amount of mixing water for each sack of portland cement, carrying the amount according to the class of work. For example, the recommended mixture for sidewalks is 5 gallons of water per sack of portland cement, when sand and pebbles are in a wet condition. Moisture in the aggregates is free to act on the cement, so less water is added in this case than if these were absolutely dry. Had they been dry, the correct amount of water would be 6 gallons for each one-sack batch.

Intended primarily for use on small jobs

Kind of Work	U.S. gallons of water to add to each 1-sack batch			Trial mixture for first batch			Maximum aggregate size
	Damp sand and pebbles	Wet sand and pebbles	Very wet sand and pebbles	Cement	Sand	Pebbles	
		Average sand		sacks	cu.ft.	cu.ft.	in.
Foundation walls which need not be watertight, mass concrete for footings, retaining walls, garden walls, etc.	6¼	5½	4¾	1	2¾	4	1½
		Average sand					
Watertight basement walls, walls above ground, lawn rollers, hotbeds, cold frames, etc. Well curbs and platforms, cisterns, septic tanks, watertight floors, sidewalks, steppingstone and flagstone walks, driveways, play courts, outdoor fireplace base and walls, refuse burners, ash receptacles, porch floors, basement floors, garden and lawn pools, steps, corner posts, gate posts, piers, columns, etc.	5½	5	4¼	1	2¼	3	1½
		Average sand					
Fence posts, grape arbor posts, mailbox posts, etc., flower boxes and pots, benches, bird baths, sun dials, pedestals and other garden furniture, work of very thin sections.	4½	4	3¾	1	1¾	2	¾

QUANTITIES OF CEMENT, FINE AGGREGATE AND COARSE AGGREGATE REQUIRED FOR 1 CU.YD. OF COMPACT MORTAR OR CONCRETE

MIXTURES			QUANTITIES OF MATERIALS				
Cement	Fine Aggregate (sand)	Coarse Aggregate (gravel or stone)	Cement in sacks	Fine Aggregate		Coarse Aggregate	
				cu.ft.	cu.yd.	cu.ft.	cu.yd.
1	2	...	12	24	0.9	..	....
1	3	...	9	27	1.0	..	....
1	1	1¾	10	10	0.37	17	0.63
1	1¾	2	8	14	0.52	16	0.59
1	2¼	3	6¼	14	0.52	19	0.70
1	2¾	4	5	14	0.52	20	0.74

1 sack cement = 1 cu.ft.; 4 sacks = 1 bbl.

MATERIALS REQUIRED FOR 100 SQ.FT. OF SURFACE FOR VARYING THICKNESSES OF CONCRETE OR MORTAR

Quantities may vary 10 per cent either way, depending upon character of aggregate used. No allowance made in table for waste.

Thickness of mortar or concrete (in.)	Amount of mortar or concrete (cu.yd.)	PROPORTIONS								
		1:2			1:3			1:1:1¾		
		Cement (sacks)	Fine Aggregate (cu.ft.)	Coarse Aggregate (cu.ft.)	Cement (sacks)	Fine Aggregate (cu.ft.)	Coarse Aggregate (cu.ft.)	Cement (sacks)	Fine Aggregate (cu.ft.)	Coarse Aggregate (cu.ft.)
⅜	0.115	1.4	2.8	....	1.0	3.0	....	....	....	....
½	0.15	1.8	3.6	....	1.3	4.0	....	...	....	....
¾	0.23	2.7	5.4	....	2.0	6.0	....	2.3	2.3	3.9
1	0.31	3.7	7.4	....	2.7	8.1	....	3.1	3.1	5.3
1¼	0.38	4.5	9.0	....	3.3	10.0	....	3.8	3.8	6.5
1½	0.46	5.4	10.8	....	4.0	12.0	....	4.6	4.6	7.8
1¾	0.54	6.4	12.8	....	4.7	14.1	....	5.4	5.4	9.2
2	0.62	7.3	14.6	....	5.4	16.2	....	6.2	6.2	10.5
		1:1¾:2			1:2¼:3			1:2¾:4		
3	0.92	7.5	12.9	14.7	5.8	12.9	17.5	4.6	12.9	18.4
4	1.24	10.0	17.3	19.9	7.8	17.3	23.6	6.2	17.3	24.8
5	1.56	....	....	....	9.8	21.7	29.6	7.8	21.8	31.2
6	1.85	....	....	....	11.5	26.0	35.2	9.3	26.0	37.0
8	2.46	....	....	....	15.4	34.4	46.8	12.3	34.4	49.3
10	3.08	....	....	....	19.3	43.2	58.5	15.4	43.2	61.6
12	3.70	....	....	....	23.1	51.8	70.4	18.5	51.8	74.0

CHECK RAILS—Meeting rails sufficiently thicker than a window to fill the opening between the top and bottom sash made by the parting stop in the frame. They are usually beveled. See Window Unit.

CHECK STOP—A moulding used to hold the bottom sash of a double-hung window in place in a window frame.

CHIMNEY BLOCKS—See Blocks, Chimney.

CHIMNEY BREAST—The horizontal projection of a chimney from the wall in which it is built. Commonly applied to the chimney projection on the inside of a building. See House Cross Section.

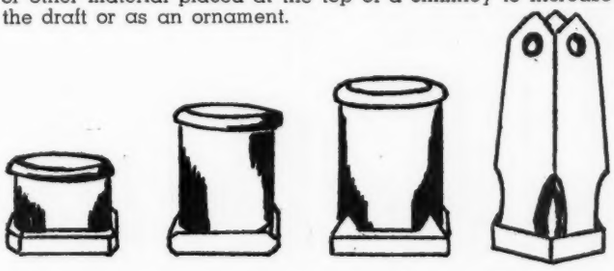
CHIMNEY CAP—A coping of concrete, stone, tile or terra-cotta surmounting the brick work to protect the upper mortar joints from weather. See House Cross Section.

CHIMNEY FLUE LINING—See Flue Lining.

CHUTES, COAL—See Coal Chutes.

CINDER BLOCKS—Same as cement blocks, except that the principal materials are cement and cinders.

CHIMNEY POT—A cylindrical pipe of earthenware, metal or other material placed at the top of a chimney to increase the draft or as an ornament.



CINDER FILL—Cinders placed to a depth of 3 to 6 inches under basement floors to assist in keeping basement dry. Also used on outside of basement wall to a depth of 12 inches over drain tile to facilitate drainage. Pebble gravel may be used in place of cinders.

CLAY, FIRE—See Fire Clay.

CLAY TILE—See Tile.

CLEAN-OUT DOOR—A cast iron door with frame placed near the base of smoke flues and ash pits to permit cleaning. See Ash Pit Door.

CLEAT—A strip of wood or other material fastened across something to give strength or hold in position.

CLOSET KNOB—One knob on the end of a spindle secured on the other end by a plate. For use on closet doors.

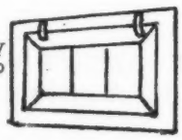
CLOSET LINING—See Cedar Closet Lining.

CLOSET POLE—A round moulding on which clothes hangers may be hung in a clothes closet or elsewhere.

CLOTHES LINE POLE—A post extending about six or seven feet above the ground from which lines may be extended on which to hang clothes. May be metal or wood.

CLOTHES LINE PROPS—1x2 or 2x2-inch material with one end notched to fit a clothes line. Used to prop up a clothes line.

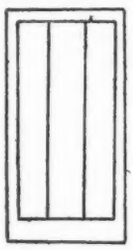
COAL CHUTE—A door and frame, usually of metal, set into the basement wall to facilitate coal deliveries.



COAT—A layer of any substance covering another, as one, two or three coats of paint, plaster, etc.

COAT AND HAT HOOK—A hook with two or more projections, the longest usually intended to hold a hat and the shorter hooks other garments.

COLD FRAME—(HOT BED SASH)—A large sash specially built for hot beds.



COLLAR BEAM—A horizontal beam fastened above the lower ends of rafters to add rigidity. See House Cross Section.

COLUMN—Any supporting pillar of wood, steel, masonry or other material. See House Cross Section.

COMBINATION LOCK—A lock with changeable tumblers that may be set by a dial on the face of the door or lock.

COMBINATION WINDOWS—Windows designed for use in the same manner as combination doors.

COMBINED ESCUTCHEON PLATE—A plate containing both a knob socket and a keyhole.

COMBINED STORE DOOR LOCK—A lock with a heavy dead bolt as well as a latch bolt operated by thumb handles instead of knobs.

COMMUNICATING DOOR LOCK—For use on doors between connecting rooms; usually a knob latch with thumb bolts.

COMPOUND—Term used for base coat plaster, to which sand is added on the job. In some localities refers to neat goods or cement plaster.

COMPREGNATED WOOD—An assembly of veneer impregnated with liquid resin and bonded under high pressure, with the grain of the various layers of veneer usually parallel.

CONCRETE BLOCKS—See Blocks, Cement.

CONCRETE, PLAIN—Concrete containing not more than two-tenths of one percent of reinforcement.

CONCRETE, REINFORCED—Concrete containing more than two-tenths of one percent of reinforcement and in which the reinforcement is so embedded that the two materials act together in sustaining the load. See Reinforcing.

CONDENSATION—In a building. Beads or drops of water, and frequently frost in extremely cold weather, that accumulate on the inside of the exterior covering of a building, when warm, moisture-laden air from the interior reaches a point where the temperature no longer permits the air to sustain the moisture it holds. Use of louvers or attic ventilators will reduce moisture condensation in attics.

CONDUCTOR HEAD—Same as Leader Head.

CONDUCTOR PIPE—Pipe that carries water from the roof gutter. Also called "leader" or "downspout." See House Cross Section.

CONDUIT—A channel to convey water or other fluids, a drain or a sewer. In electrical work, the enclosure carrying wires.

CONSTRUCTION—ADOBE—A type of construction in which the exterior walls are built of blocks that are made of soil mixed with straw and hardened in the sun. This type of construction is employed chiefly in the warm, dry climate of the southwest.

CONSTRUCTION, BRICK—A type of construction in which the exterior walls are bearing walls made of brick or a combination of brick and tile masonry.

CONSTRUCTION, BRICK-VENEER—A type of construction in which a wood frame construction has an exterior surface of brick applied.

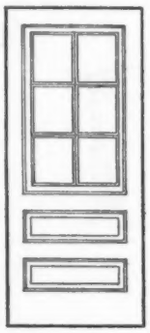
CONSTRUCTION, Dry-Wall—A type of construction in which the interior wall finish is of a material other than plaster or material similar to it, applied without the use of mortar.

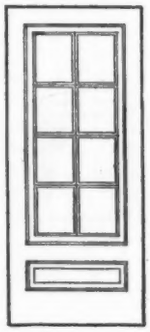
CONSTRUCTION, EXTERIOR-PROTECTED—That type of building construction in which the exterior walls, party walls, and the fire walls are of incombustible materials and self-supporting, and interior structural framing is wholly or partly of wood or similar materials.

CONSTRUCTION, FIREPROOF—A type of construction designed to withstand a complete burnout of the contents for which the structure was intended without impairment of structural integrity.

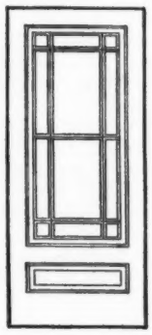
CONSTRUCTION, FRAME—A type of construction in which the structural parts are of wood or dependent upon a wood frame for support. In codes, if brick or other incombustible

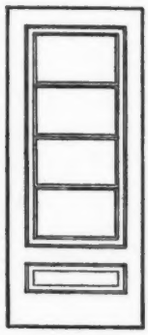
COMBINATION DOORS





Combination doors have an inside removable section so that the same frame serves both summer and winter. A screen is inserted in warm weather to make a screen door, a glazed or glazed-and-paneled section in winter to make a storm door. The inconvenience of handling a different door in each season is eliminated.





material is applied to exterior wall, the classification of this type of construction is usually unchanged.

CONSTRUCTION, INCOMBUSTIBLE—That type of building construction which has all structural elements of incombustible materials with fire-resistance ratings of one hour or less.

CONSTRUCTION, ORDINARY—Usually refers to construction in which the exterior walls are of masonry, or of reinforced concrete; and in which the interior structural elements are wholly or partly of wood.

CONSTRUCTION, PREFABRICATED—A type of construction so designed as to involve a minimum of assembly at the site, usually comprising a series of large units or panels manufactured in a factory.

CONSTRUCTION, RAMMED EARTH—A type of construction in which the exterior walls are bearing walls composed of a controlled combination of sand, clay, coarse aggregate and moisture compacted by pressure into forms.

CONSTRUCTION, REINFORCED CONCRETE—A type of construction in which the principal structural members, such as floors, columns, and beams, are made of concrete poured around isolated steel bars or steel meshwork in such a manner that the two materials act together in resisting force.

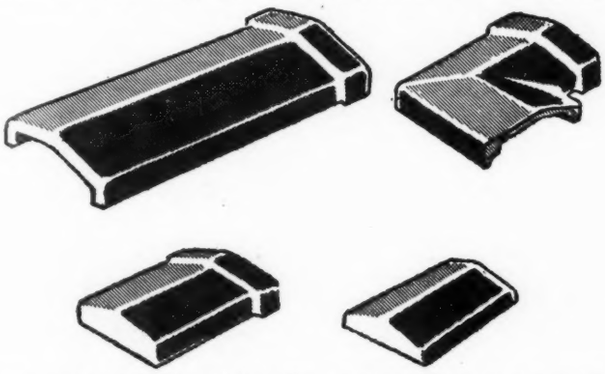
CONSTRUCTION, SKELETON—A type of construction in which all external and internal loads and stresses are transmitted to the foundations by a rigidly connected framework of metal or reinforced concrete. The enclosing walls are supported by the frame at designated intervals, usually at each story.

CONSTRUCTION, STEEL FRAME—A type of construction in which the structural parts are of steel or dependent on a steel frame for support.

CONSTRUCTION, UNPROTECTED-METAL—A type of construction in which the structural parts are of metal unprotected by fireproofing.

CONSTRUCTION, WOOD FRAME—See Construction, Frame.

COPING, WALL—The covering course on a wall. Also referred to as "capping". Where porches or other spaces



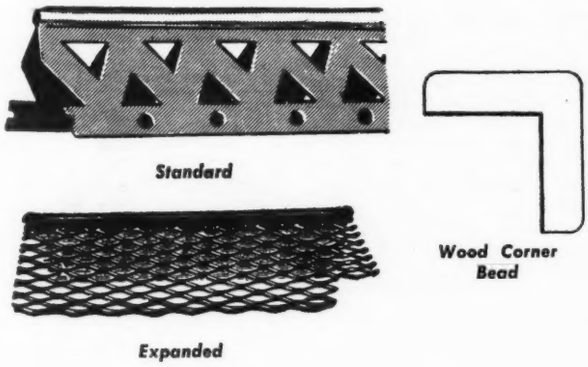
are enclosed with solid walls to the height of the usual porch railing material used as a finish is called a coping.

CORBEL—A short piece of stone, wood or other material projecting from a wall to form a support, generally ornamented.

CORBEL OUT—To build out one or more courses of brick or stone from the face of a wall to form a support.

CORD, SASH—See Sash Cord.

CORNER BEAD—A strip of formed galvanized iron, sometimes combined with a strip of metal lath, placed on corners before plastering to reinforce them. Also a strip of wood finish three-quarter-round or angular placed over a plastered corner for protection.

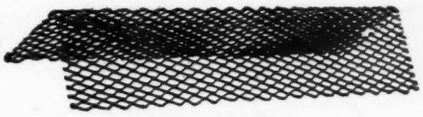


CORNER BOARDS—Used as trim for the corners of a house or other frame structure covered with siding, either bevel or drop. One piece should be wider than the other by the thickness of the pieces so they will appear the same width when in place on the building. Usually one piece of 1x4 and one piece of 1x5 are used. The length of corner boards is the height of the frame wall. Siding should butt up against the corner board.

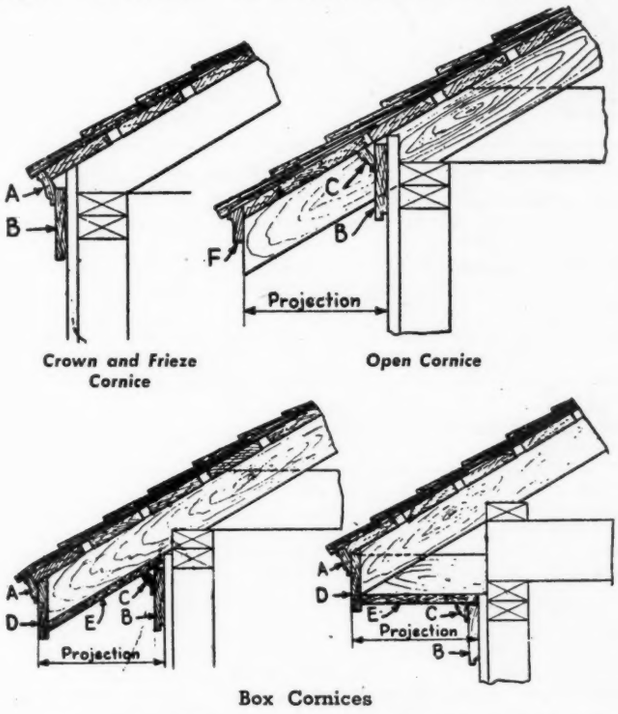
CORNER BRACES—Diagonal braces let into studs to reinforce corners of frame structures. See Fig. 33 of Details for House Framing.

CORNER POSTS OR STUDS—The two or three studs spiked together to form a corner in a frame building. See Fig. 18 of Details for Housing Framing.

CORNERITE—Metal mesh lath cut into strips and bent to a right angle. Used in interior corners of walls and ceilings on lath to prevent cracks in plastering.



CORNICE—The horizontal moulded trim encircling a building at the roof line. On a house it forms the connection



A—Crown Moulding; B—Frieze; C—Bed Moulding; D—Fascia; E—Plancier; F—Shingle Moulding.

between the roof and sidewalls. Also interior trim, wood or plaster at the angle of sidewalls and ceilings. See House Cross Section.

COTTAGE LATCH—Small lift latch for use on light doors, cupboards, etc.

COUNTER-SINK—To make a cavity for the reception of a plate, iron or the head of a screw or bolt so it will not project beyond the face of the work.

COURSE—A continuous range of stone or brick of uniform height in the wall of a building.

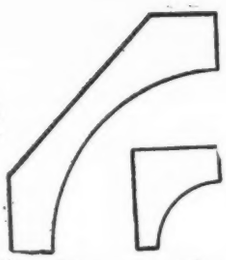
COVE—A rounded internal angle. (Opposite to bull nose.)

COVE CEILING—A ceiling springing from the walls with a curve.

CRANK HANDLE—Same as Lever Handle.

CREMORNE BOLT—For use on casement or French windows. Consists of a sliding rod, fastened at top and bottom with strikes or plates to window frame, with a knob or handle at center, which, when turned causes the rods to move in opposite directions to lock or unlock the window.

COVE MOULDING—A three-sided moulding used wherever small angles are to be covered.

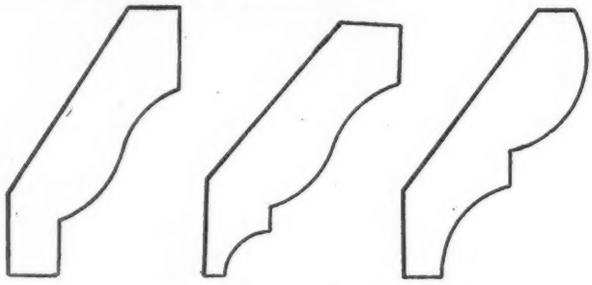


CRICKET—A water shed built behind a chimney or other roof projection. See Flashing.

CROOK—A form of warp resulting in distortion of a board in which the edge is convex or concave lengthwise. See Warp.

CROSS BREAK—A separation of wood cells in a piece of lumber across the grain.

CROWN MOULDING—A moulding used on cornices or wherever a large angle is to be covered.



HOW TO FIGURE CUBIC CONTENTS IN A HOUSE

With a Basement—Multiply the length by the width by the height from top of the basement floor to a point half way through the gable.

Without a Basement—Multiply the length by the width by the height from grade line to a point half way through the gable.

With Attached Garage—Figure one-half the cubic contents of the garage.

With Open Porch—Figure one-third the cubic contents of the porch.

With Closed Porch—Figure two-thirds the cubic contents of the porch.

The above is the generally accepted formula for arriving at the cubic contents of a house. Cubic contents are used primarily for comparative purposes and are not generally relied on for accurate cost estimating. The above method is used in figuring the cubic contents of house plans presented by AMERICAN LUMBERMAN.

CUP—In lumber, a form of warp resulting in distortion of a board in which the face is convex or concave across the grains or width of a piece. See Warp.

CUPBOARD BUTTON—A small turning bar, designed to secure a door.

CUPBOARD CATCH—A small spring catch, designed for securing a light door, operated by a thumb piece or slide knob.

CUP ESCUTCHEON—A plate for use on sliding doors with a recessed panel to provide a finger hold as well as space for the knob or latch control, all of which does not project beyond a line flush with the door.

CURB STRINGER—A three-member assembly sometimes used in an open stair consisting of one housed stringer and one faced stringer surmounted with a shoe rail to receive balusters.

CURTAIN WALL—A non-bearing wall between columns or piers which is not supported by girders or beams.

CYLINDER—In a lock, that portion of a lock which consists of a short round case containing the tumbler mechanism and key hole.

CYLINDER LOCK—A lock with the keyhole and tumbler mechanism contained in a cylinder separate from the lock case.

CYLINDER RING—A washer for use under the head of a cylinder lock to permit the use of a long cylinder in a thin door.

D

DADO—A rectangular groove in a board or plank. In interior decoration, a special type of wall treatment.

DAMPER—A movable, hinged plate or disc inserted in smokepipes to regulate draft or in chimneys above the fireplace to control draft. See Dome Damper.

DAMPPROOFING—Painting the outside or inside of foundation walls with a waterproofing material, or mixing waterproofing material into the foundation walls to prevent water seepage from the outside. Asphalt waterproofing (foundation coating) should be carefully brushed on all surfaces. Two coats are better than one heavy coat. A gallon will cover approximately 100 square feet.

DARBY—A flat tool used by plasterers in working, especially on ceilings. It is generally about seven inches wide and 42 inches long, with two handles on the back.

DEAD BOLT—In a lock, one with a square head, controlled directly by the key when moved in either direction.

DEAD LATCH—Same as Night Latch.

DEAD LOCK—A lock with a dead bolt only.

DECK—On a building, the flat portion of a roof.

DEHUMIDIFYING—The process of reducing the amount of moisture or vapor in air.

DENTILS—Small blocks forming an ornamental row in a cornice.

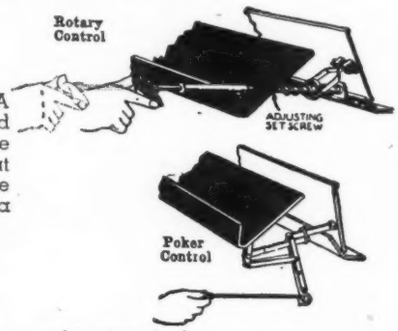
DEPRESSED PLASTER CEILING PANEL—A sunken panel, effected by furring down on the ceiling joists, usually with 2x2 strips, projecting approximately 18 inches from the side walls all the way around the room, before the lathing is done.

DESIGN—The plans, elevations, sections, and whatever other drawings may be necessary for an edifice to adequately exhibit the design. The term "plan" has a restricted application to the horizontal projection and "elevation" refers to the vertical or exterior views.

DESK LOCK—A lock designed to secure a rolling or hinged lid.

DETAIL—As used by architects and builders, detail refers to the smaller parts into which a composition may be divided. It is applied generally to mouldings and other enrichments, to drawings showing the construction and manner of assembling the various parts.

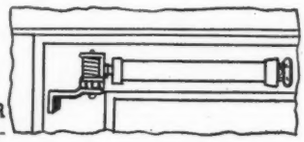
DOME DAMPER—A cast iron frame and damper placed above the brick arch and at the bottom of the smoke chamber of a fireplace.



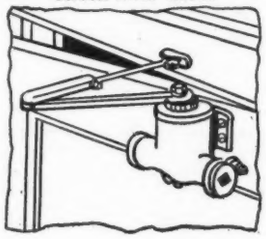
DIAL LOCK—Same as combination lock.

DIMENSION—All yard lumber except boards, strips, and timbers; that is, yard lumber 2 inches to but not including 5 inches thick, and of any width.

DOOR CHECK OR CLOSER (Hardware)—A device attached to a door and the door frame which contains a spring for closing the door as well as a compression chamber and a cylinder by means of which the slow escape of air or liquid prevents the door from slamming.



Screen Door Check

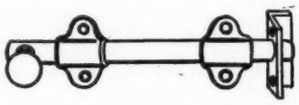


DIRECTION PLATE—A plate carrying information as to the purpose of a door or opening.

DOME—A cupola or inverted cup on a building.

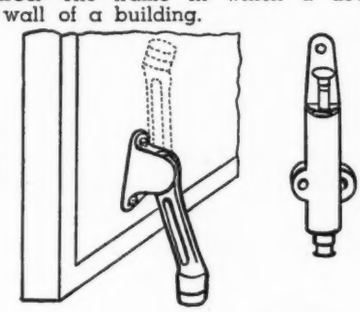
DOOR, BATTEN—A door made of sheathing secured by strips of board put crosswise.

DOOR BOLT—Sliding bar or rod, mounted for attachment to a door and placed so as to lock it.



DOOR FRAME, EXTERIOR—The frame in which a door swings in the outside wall of a building.

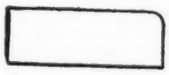
DOOR HOLDER—Used for fastening a door in open position.



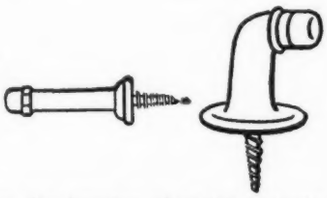
DOOR JAMB, INTERIOR—The surrounding case into which and out of which a door closes and opens. It consists of two upright pieces, called jambs, and a head, fitted together and rabbeted. See Jamb.

DOOR PULL—A handle, commonly mounted on a plate, designed for attachment to a door to facilitate opening and closing.

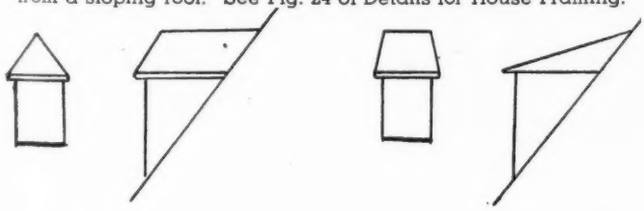
DOOR STOP—A moulding planted on the face of door jambs to stop the door.



DOOR STOP—A small post, usually rubber tipped, placed so as to limit the swing of a door when opened to protect walls or other doors from injury.

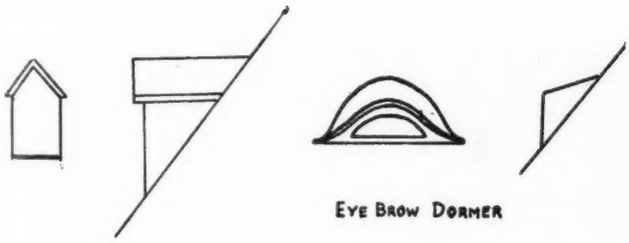


DORMER—An internal recess, the framing of which projects from a sloping roof. See Fig. 24 of Details for House Framing.



Hip Dormer

Lift Dormer

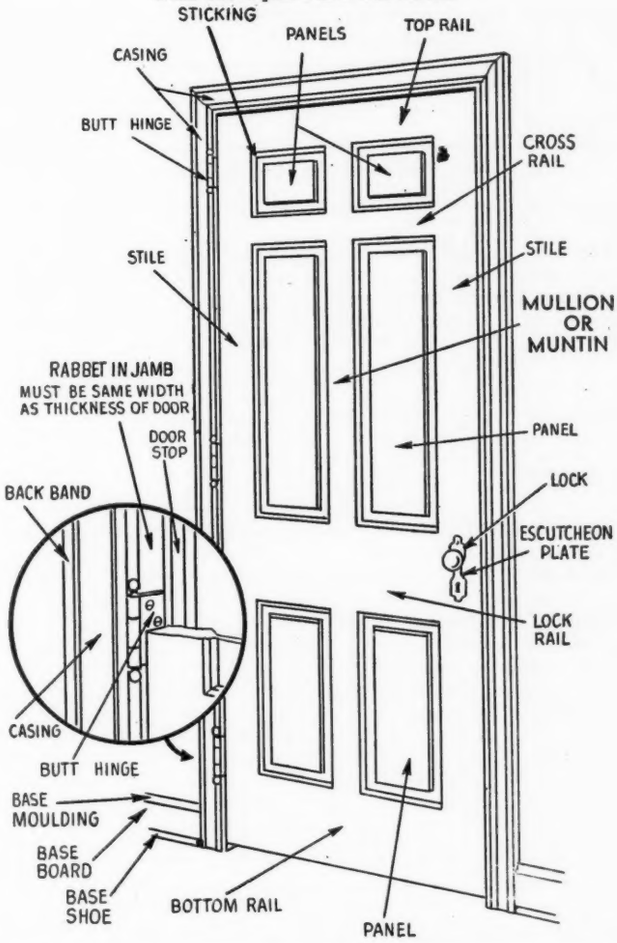


Eye Brow Dormer

Gable Dormer

DOOR TRIM—The casing placed around an interior door opening to conceal the break between the plaster or other wall covering and the door frame or jamb. See Casing.

DOOR AND FRAME
With Principal Parts Identified

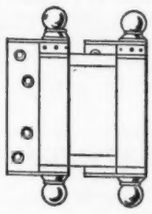


DOUBLE-GLAZING—Windows or doors with a double glass pane with an air space between them, hermetically sealed, to provide insulation, generally built into the sash. The term is used occasionally in referring to storm sash.

DRY ROT—A term loosely applied to many types of decay in lumber, but especially to that which, when in an advanced stage, permits the wood to be easily crushed to a dry powder. The term is actually a misnomer for any decay, since all fungi require considerable moisture for growth, and the wood must have been moist at the time the "dry rot" occurred.

DOUBLE ACTING BUTT—A butt hinge that permits a door to swing in either direction.

DOUBLE-ACTING SPRING HINGE—A hinge with two sets of springs with tension in opposite directions so as to move the door toward the closed position but at the same time permitting it to be opened in either direction.



DOUBLE-BITTED KEY—A lock key with bittings on both edges so that either or both edges may move tumblers.

DOUBLE DOOR BOLT—A device with two sliding bars, one mounted at the top and the other at the bottom of a door, moving in opposite directions, so as to lock the door at the top and bottom simultaneously.

DOWELL—A wood or steel pin let into two pieces of material where they are joined together. Also wood or steel pins set or driven into a wall so that other material may be fastened to them. See Joint.

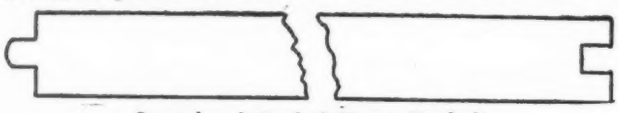
DOWNSPOUT—A pipe, usually of metal for carrying rain water from roof gutters.

DOWN SPOUTS—Same as Conductor.

DRAIN TILE—See Field Tile.

DRAWER PULL—A handle or grip designed to fit the fingers for opening or closing drawers.

DRESSED AND MATCHED (TONGUE AND GROOVE)—Boards or plank machined in such a manner that there is

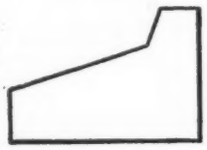


Dressed and Matched (Center Matched)

a groove on one edge and a corresponding tongue on the other.

DRIP—(a) A member of a cornice or other horizontal exterior finish course which has a projection beyond the other parts for throwing off water. (b) A groove in the outer side of a sill to cause water to drop off on the outer edge, instead of drawing back and running down the face of the building.

DRIP CAP—A moulding placed on the exterior topside of a door or window to cause water to drip on the outside of the frame.



DROP DRAWER PULL—A handle pivoted at the ends where it is attached to the plate.

DROP ESCUTCHEON—A keyplate with a pivoted drop to cover the keyhole.

DROP KEY PLATE—A key plate with a swinging cover to protect the keyhole.

DROP SIDING—See Siding, Drop.

DRY WALL CONSTRUCTION—See Construction, Dry Wall.

DUCTS—In a house, usually round or rectangular metal pipe for distributing warm air from the heating plant to rooms, or air from a conditioning device. Ducts are also made of asbestos and composition materials.

DUPLEX LOCK—A cylinder-type master key lock, with two cylinders, both of which control the same bolt but one working with a change key and the other with a master key, designed to control a series of such locks.

DUTCH DOOR BOLT—A lock designed to secure the upper and lower halves of a dutch door.

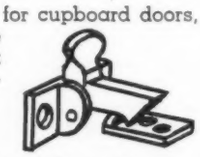
DWARF WALL—A low wall not as high as the story of a building.

E

EAVES—The margin or lower part of a roof projecting over the wall. See House Cross Section.

EAVE TROUGH—See Gutter.

ELBOW CATCH—A lock commonly used for cupboard doors, one end with a hook to engage a staple or strike and the other end bent at a right angle to provide a means of releasing the catch.



ELEVATION—A scale drawing of the upright parts of a structure.

ENGAGED COLUMN—A vertical feature in the form of a column, with but a portion of it projecting from the wall and supporting the entablature.

ENTABLATURE—The portion of a building faced with horizontal mouldings lengthwise above a series of columns or pilasters and comprising the architecture, frieze and cornice.

ESCUTCHEON—In builders hardware, the plate containing the keyhole.

EXPANDED METAL LATH—See Lath, Metal.

EXPANSION JOINT—A bituminous fiber strip used to separate blocks or units of concrete to prevent cracking due to expansion as a result of temperature changes.

EXTENSION BOLT—A flush bolt with a short plate and knob or thumbpiece, the latter connected to the bolt end at top or bottom of door with an extension rod inserted in a hole bored in door.

EXTERIOR-PROTECTED CONSTRUCTION—See Construction, Exterior-Protected.

EYEBROW—A low dormer in a roof over which the roof is carried in a wave line similar to the arch or ridge over the eve. See Dormer. Also Attic Ventilator.

F

FACADE—The entire exterior side of a building that can be seen at one view. Usually the front.

FACED WALL—A wall in which the masonry facing and backing are so binded as to exert common action under the load.

FACE MEASURE—The measurement across the face of any wood part exclusive of any solid mould or rabbet. The width of the face of any piece of lumber not including the tongue or lap.

FACE PUTTY—Putty formed in the angle of a sash after the glass has been laid in the rabbet. See Putty.

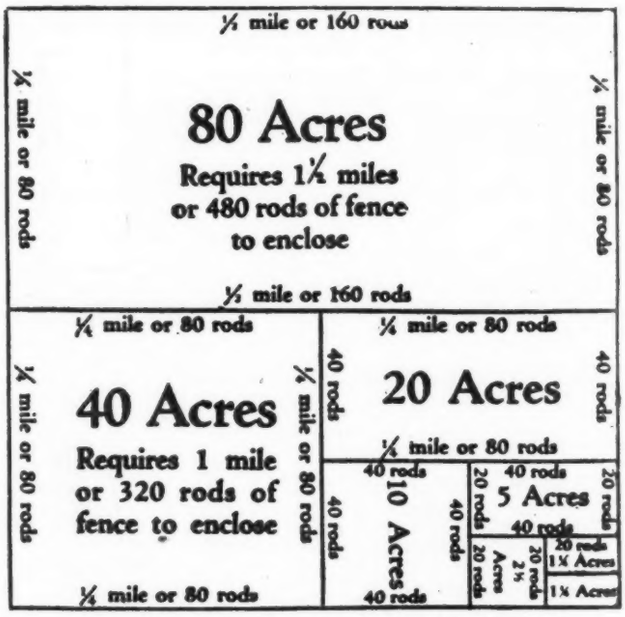
FACTOR OF SAFETY—The ratio of the ultimate strength of a material to its working stress.

FACTORY LUMBER—See Shop Lumber.

FASCIA—A board fillet, band or face used sometimes by itself but usually in combinations with mouldings. See Cornice.

FAST JOINT BUTT—A hinge with the pin riveted or otherwise fastened holding the two parts of the hinge together permanently.

FEATHER—A small strip of wood inserted in the grooved edge of two pieces of board or plank to make a joint.



Rods of Fence Required for Various Sized Fields

FIELD TILE—Porous tile placed around the outside of a foundation of a structure to absorb excess water and prevent seepage through the foundation walls. Also called drain tile and used extensively to drain surplus surface water off land.

FILLET—A small, flat face or band used principally between mouldings to separate them from each other. Also called "neck moulding".

FINIAL—The architectural ornament with which a spire or ridge terminates.

FINISHING LIME—See Lime, Finish.

FINISH SIZE—The measurement of any wood part over all, including the solid mould or rabbet.

FIRE BRICK—See Brick, Fire.

FIRE CLAY—A high temperature cement used to lay fire brick. From 400 to 600 pounds are required to lay 1000 fire brick.

FIRE DOOR—A door construction, consisting of door, frame, hardware, and sill, which under standard fire test conditions meets the requirements for the location in which it is to be used.

FIRE DOOR, HEAT-ACTUATED—Designed to close automatically under the action of heat or smoke.

FIRE DOOR, SELF-CLOSING—Normally closed at all times and designed to close automatically upon being opened.

FIREPROOF CONSTRUCTION—See Construction, Fireproof.

FIREPROOFING—Making wood or other material resistant to fire to a degree that makes it difficult to ignite and keeps it from supporting its own combustion.

FIRE RESISTIVE—In the absence of a specific ruling by the authority having jurisdiction, applies to materials for construction not combustible in the temperatures of ordinary fires and which will withstand such fires without serious impairment of their usefulness for at least one hour.

FIRE STOP—A block of wood or other material placed between joist or in walls to obstruct the spread of fire. Fire stops are usually of the same dimension material as the outside studding. Also See Fig. 5 of Details for House Framing.

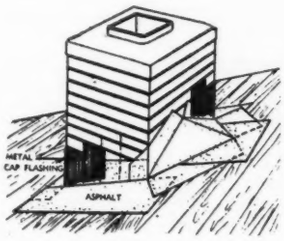
FIRE TOWER—A stair enclosed with fire-resistive construction and entered through a balcony, vestibule, or other arrangement of fire-resistive construction at each floor level so designed that smoke is prevented from entering the stair.

FIRE WALL—A wall which subdivides a building to restrict the spread of fire, beginning at the foundation and extending continuously through all stories to and above the roof.

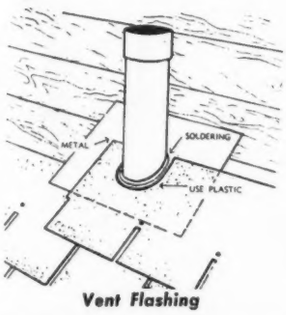
FIRE WINDOW—See Window Fire

FLAGSTONE (FLAGGING OR FLAGS)—Flat stones, from one to four inches thick, used for rustic walks, steps, floors, etc. Usually sold by the ton.

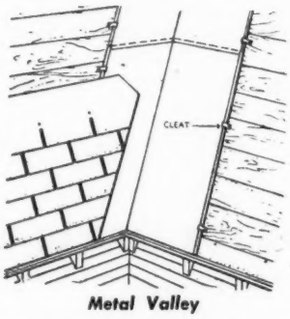
FLASHING—Strips of metal worked into roof joints in valleys, around chimneys, dormers, etc., to prevent roofs leaking at those points.



Chimney Flashing and Cricket



Vent Flashing



Metal Valley

FLAT ARCH—The top of an opening formed by bricks or other material, the bottoms of which are set in a horizontal line.

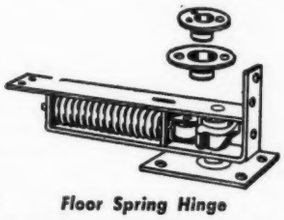
FLITCH—A thick piece of lumber with wane (bark) on one or more edges.

FLOAT—A hand tool, shaped like a trowel, used for effecting an even surface by rubbing.

FLOATING—Equal spreading of plaster on the surfaces of walls by means of a float. Only rough plaster is floated.

FLOATING PARTITION—One which rests on a floor between two joists parallel to them.

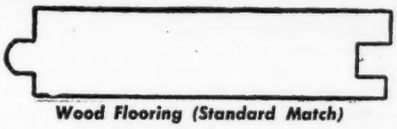
FLOOR HINGE—A pivot door hinge, designed to be placed in or on a floor. Usually installed along with a door spring and a door check.



Floor Spring Hinge

FLOOR LINING—A layer of paper, felt or similar material placed between the blind floor (sub-floor) and the finish floor. Sometimes used erroneously to designate blind floor. See House Cross Section.

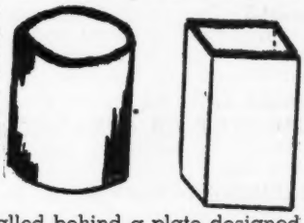
FLOORING, WOOD



Wood Flooring (Standard Match)

FLUE—The space or passage in a chimney through which smoke, gas or fumes ascend. Each passage is called a flue, which together and including the surrounding masonry make up the chimney.

FLUE LINING—Fire clay or terra cotta pipe, round or square, usually made in all of the ordinary flue sizes, and in 2-foot lengths used for the inner lining of chimneys with the brick or masonry work around the outside. Flue lining should run from the concrete footing to the top of the chimney cap. Figure a foot of flue lining for each foot of chimney.



FLUSH BOLT—A door bolt installed behind a plate designed for attachment to or set into the surface of a door.

FLUSH MOULD—An applied moulding which finishes flush with or below the face or surface of stiles or rails.

FLUSH PLATE—A door plate of any type made to set into the wood or other material flush with the face of the door.

FOOT BOLT—A bolt designed for attachment to the bottom of a door. Usually the bolt is controlled by a trigger which holds the bolt against a spring, and release of the trigger permits the spring to move the bolt into locking position.

FOOTING—The spreading concrete course or courses at the base and upon which a wall rests. See House Cross Section.

FOUNDATION—The entire masonry sub-structure below the first story floor or frame of a building, including the footing upon which the building rests. See House Cross Section.

FRAME—The skeleton or rough frame-work of a building. See Details for House Framing.

FRAME CONSTRUCTION—See Construction, Frame.

FRAME PULLEY—A box containing a sheave and designed for installation in a window frame to carry the sash cord.

FRAMING, BALLOON—A system of framing a building in which all vertical structural elements of the bearing walls and partitions consist of single pieces extending from the top of the sole plate to the roof plate. See Fig. 1 of Details for House Framing.

FRAMING, BRACED—A system of framing a building in which all vertical structural elements of the bearing walls and partitions, except corner posts, extend for one story only, starting at the foundation sill for the first story framing and at the top plate of the story below for all stories above the first. Corner posts extend from foundation sill to roof plate and are braced by diagonal members usually extending the full height of each story and crossing several of the studs on each side. See Fig. 2 of Details for House Framing.

FRAMING, PLATFORM—A system of framing a building on which floor joists of each story rest on the top plates of the story below—on the foundation sill for the first story—and the bearing walls and partitions rest on the subfloor of each story. See Fig. 3 of Details for Housing Framing.

FRENCH WINDOW LOCK—A mortise knob lock with minimum backset used on windows or doors with narrow stiles, especially French windows.

FRIEZE—Any sculptured or ornamental band in a building. Also the horizontal member of a cornice set vertically against the wall. That part of an entablature which is between the architrave and the cornice. See Cornice.

FRONT DOOR LOCK—A lock designed for use on entrance doors. Usually contains a deadbolt and a latchbolt, with the deadbolt controlled from the outside by a key and from the inside by a knob or key; the latchbolt is controlled by a key on the outside and by a knob on the inside. There is also usually a "top work" whereby the outside knob may be used to move the latchbolt, if that is desired.

FURRING—Strips of wood or metal applied to a wall or other surface to even it, to provide an air space or to give it a thickened appearance, usually as a base for the application of some type of wall covering. See House Cross Section.

G

GABLE—The vertical triangular portion of the end of a building from the level of the plate to the ridge of the roof. Also a similar end, when not triangular in shape, as of a gambrel roof or the like.

GABLE END—An end-wall having a gable.

GARGOYLE OR GURGOYLE—A water spout, often carved grotesquely, projecting from the gutter of a building to drain off water.

GARMENT HANGER RODS—Rods placed in closets or wardrobes on which clothes are hung. See Closet Pole.

GAUGING PLASTER—A plaster mixed with finish lime to make the lime putty for the finish coat of plaster. It determines the proper setting time and initial strength of the lime putty. Six sacks of finish lime and one sack of gauging plaster (100 pounds) are required to cover 100 square yards. Mixture, 3 parts lime putty to one part gauging plaster.

GIRDER—Same as beam. Where beams of different sizes are used in the same structure, the main beams only are termed girders. Girders may be either solid or built-up. See Fig. 9 of Details for House Framing. Also House Cross Section.

GIRDER SUPPORTS OR GIRDER POSTS—Columns placed so as to support girders or beams. See Fig. 9 and 10 of Details for House Framing. Also House Cross Section.

GIRT—One of the horizontal members on the frame of a building or other structure, located between the sill and the plate, to which vertical sheathing or other covering is attached.

GIRTH—A term used to designate the lateral dimension of cornice work, mouldings, gutters, columns, etc.

GLASS STOP—Moulding used to fasten glass in doors or window sash.

GLASS WOOL INSULATION—See Blanket Insulation.

GLAZING—The placing of glass in the frames of windows or doors. See Putty.

GRADE—Degree of height; level. In lumber any of the quality classes into which lumber is segregated for marketing and use purposes.

GRADE LINE—The level of ground at the building.

GRADIENT—The degree of inclination of a surface, road, or pipe, usually expressed in percent.

GRAIN—The direction, size, arrangement, appearance, or quality of the fibers in wood.

GRAIN, CLOSE—Lumber with narrow and inconspicuous annual rings. The term is sometimes used to designate wood having small and closely spaced pores, but in this sense the term "fine textured" is more often used.

GRAIN, COARSE—Lumber with wide and conspicuous annual rings in which there is considerable difference between springwood and summerwood. The term is also used to designate wood with large pores, but in this sense the term "coarse textured" is more often used.

GRAIN, CROSS—Lumber in which the cells or fibers do not run parallel with the axis or sides of a piece.

GRAIN, DIAGONAL—Annual rings at an angle with the axis of a piece as a result of sawing at an angle with the bark of the tree.

GRAIN, EDGE (VERTICAL)—Lumber in which the rings or grain form an angle of 45 degrees or more with the surface of the piece.

GRAIN, FLAT—Lumber in which the rings form an angle of less than 45 degrees with the surface of the piece.

GRAIN, INTERLOCKED—Wood in which the fibers are inclined in one direction in a number of rings of annual growth, then gradually reverse and are inclined in an opposite direction in succeeding growth rings, then reverse again.

GRAIN, OPEN—Common classification of painters for wood with large pores, also known as "coarse-textured."

GRAIN, PLAIN SAWN—Another term for flat grain, and used generally in hardwoods.

GREASE TRAP—Where septic tanks are used, water from the kitchen and laundry can be taken from the house in a special line into a grease trap where the grease may settle to the bottom and the water flows off. Where grease hinders the chemical action in a septic tank, the water from the grease trap can bypass the septic tank and connect into the drain field beyond the septic tank.

BASIC GRADE CLASSIFICATION FOR YARD LUMBER

The following outline is a key to the American Lumber Standards:

- Total products of a typical log arranged in series according to quality as determined by appearance.
  - Select—lumber of good appearance and finishing qualities.
    - Suitable for natural finishes.
      - Grade A—Practically free from defects.
      - Grade B—Allows a few small defects or blemishes.
    - Suitable for paint finishes.
      - Grade C—Allows a limited number of small defects or blemishes which can be covered with paint.
      - Grade D—Allows any number of defects or blemishes which do not detract from a finish appearance, especially when painted.
  - Common—Lumber containing defects or blemishes which detract from a finish appearance but which is suitable for general utility and construction purposes.
    - Lumber suitable for use without waste.
      - No. 1 common—Sound and tight knotted stock. Size of defects and blemishes limited. May be considered watertight lumber.
      - No. 2 common—Allows large and coarse defects. May be considered grain-tight lumber.
    - Lumber permitting waste.
      - No. 3 common—Allows larger and coarser defects than No. 2 and occasional knot holes.
      - No. 4 common—low quality lumber admitting the coarsest defects such as decay and holes.
      - No. 5 common—Must hold together under ordinary handling.

Courtesy Forest Products Laboratory, U. S. D. A.

GRAIN, QUARTER SAWN—Another term for edge grain, and used generally in hardwoods.

GRAIN, SPIRAL—A type of growth in which the fibers take a spiral course about the bole of a tree instead of the normal vertical course. The spiral may extend right handed or left handed around the tree trunk.

GRAIN, VERTICAL—Another term for edge grain.

GRAIN, WAVY—Wood in which the fibers collectively take the form of waves or undulations.

GRILLE—Term applied to open iron work generally, but literally an iron grating.

GROUND COURSE—A horizontal course, usually of masonry, next to the ground.

GROUNDS—Strips of wood of same thickness as lath and plaster which are attached to walls before the plastering is done. Used around windows, doors and other openings as a plaster stop and in other places for attaching base boards or other trim. Grounds should be 7/8 inch wide and thickness of lath and plaster. Estimate a single strip around all window and door openings which receive trim, and for base.

GUTTER OR EAVE TROUGH—A shallow channel or conduit set below and along the eaves of a house to catch and carry off rain water from the roof. On ordinary dwellings 4-inch gutter is used. Gutter required will be about two feet more than the perimeter of the main cornice on an average house with hanger strips every four feet. See House Cross Section.

GYPSUM—A hydrous calcium sulphate rock, colorless when pure, which is the raw material from which plaster of Paris or stucco is made.

H

HANGERS, EAVE TROUGH—See Gutters.

HANGERS, JOIST—See Joist Hangers.

HANGING STILE—The stile or component of a door to which the hinges are fastened.

HARDWARE, FINISH—All hardware that is exposed in a house such as door knobs, door hinges, locks, clothes hooks, etc.

HARDWARE, ROUGH—All hardware that is concealed in a house, such as bolts, nails, spikes, etc., which are used in the construction.

HARDWOOD—The botanical group of trees that are broad-leaved. The term has no reference to the actual hardness of the wood.

How to Arrive at the Amount of Hardwood Flooring Required

To cover a certain space, figure the number of square feet, which means the width multiplied by the length; for instance, a room 12 feet wide by 15 feet long would contain twelve times 15 or 180 square feet. Add to the square feet of any surface to be covered the following percentages.

50%	for	25/32"x1 1/2"
37 1/2%	for	25/32"x2"
33 1/3%	for	25/32"x2 1/4"
24%	for	25/32"x3 1/4"
33 1/3%	for	3/8"x1 1/2"
25%	for	3/8"x2"
33 1/3%	for	1/2"x1 1/2"
25%	for	1/2"x2"

The above figures are based on laying flooring straight across the room. Where there are bay windows or other projections, allowance should be made for additional flooring. It is always well to order 5% additional flooring to take care of floor layers' cutting and possible damage if carelessly handled.

HEADER—(a) One or more pieces of lumber used generally around openings, to support free ends of floor joists or to support the free ends of short joists, studs or rafters and transfer their load to other parallel joists, studs or rafters. See Details for House Framing—Headers for Floor Openings, Fig 22; Window Headers, Figs. 28-29; Headers for Stairway, Fig. 36; Door Headers, Fig. 33.

(b) A wood lintel. (c) In masonry, stones or bricks extending over the thickness of a wall, or the end of a brick showing on the face of a wall in horizontal position.

HEADWAY—Also Headroom. The amount of clear space to permit free passage over a stairway or under an arch.

HEARTH—The floor of a fireplace. May be made of brick, tile or stone. See House Cross Section.

HEEL—The end or foot of a rafter that rests upon the wall plate.

HINGE—Two jointed plates, one of which is attached to a door and the other attached to the door frame to support the door and enable it to swing open and shut.

HINGE STRAP—A plate, usually ornamented, designed to be placed on the surface of a door, with one end against the knuckle of a butt to give the appearance of a strap hinge.

HIP—The external angle formed by the meeting of two sloping sides of a roof.

HIP ROLL—An ornamental strip of metal, composition roofing, tile or wood to finish and cover a hip.

HIP ROOF—A roof which rises by equally inclined planes from all four sides of a building. See Roofs.

HIP ROOF

HOOK STRIP—A horizontal band of interior wood finish to which metal clothes hooks are attached, usually in clothes closets.

HORIZONTAL LOCK—A lock with the major dimension along a horizontal line.

HUMIDIFYING—The process of increasing the amount of moisture in air, usually to prevent air from becoming too dry for health or easy breathing.

HUMIDITY—See Relative Humidity.

I

I-BEAM—A steel beam with a cross section resembling the letter "I."

INCLOSURE WALL—An interior, non-bearing wall in skeleton construction anchored to columns, piers or floors, but not necessarily built between columns or piers.

INCOMBUSTIBLE CONSTRUCTION—See Construction, Incombustible.

INSIDE DOOR LOCK—Same as Room Door Lock.

INSTANT LOCK—A time lock designed to lock automatically by spring action when the door is closed.

INSULATING BOARD—Made by reducing wood, cane or other vegetable fibers to a pulp and then reassembling the fibers into large sheets or boards. The insulating value comes from the millions of tiny air spaces within and between the fibers.

INSULATING BOARD LATH—Units are four feet long, in a variety of widths 1/2-inch and 1-inch thick. Made with special joints for reinforcing the plaster at the joints.

INSULATING BOARD PLANK—Long, narrow units produced in several widths and a variety of lengths. The long edges are usually beveled and may also be obtained with a narrow groove which produces a bead adjacent to each bevel. May be applied vertically or horizontally depending on effect desired.

INSULATING BOARD SHEATHING—May be used as the base for any type of exterior surface treatment. Waterproofed with asphalt. Standard thickness is 25/32 inch, but is available in 1/2 inch. Made in large sheets of varied dimensions.

INSULATING TILEBOARD—Made from the same basic stock as insulating board in smaller square and rectangular patterns. Edges usually are beveled. Used most frequently for ceilings.

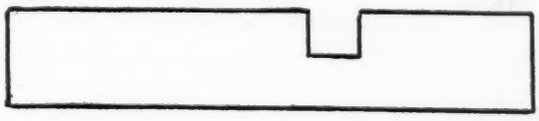
INSULATION—Any material which, when placed in the walls, ceilings or floors of a structure, will retard the penetration of cold in winter and heat in summer.

J

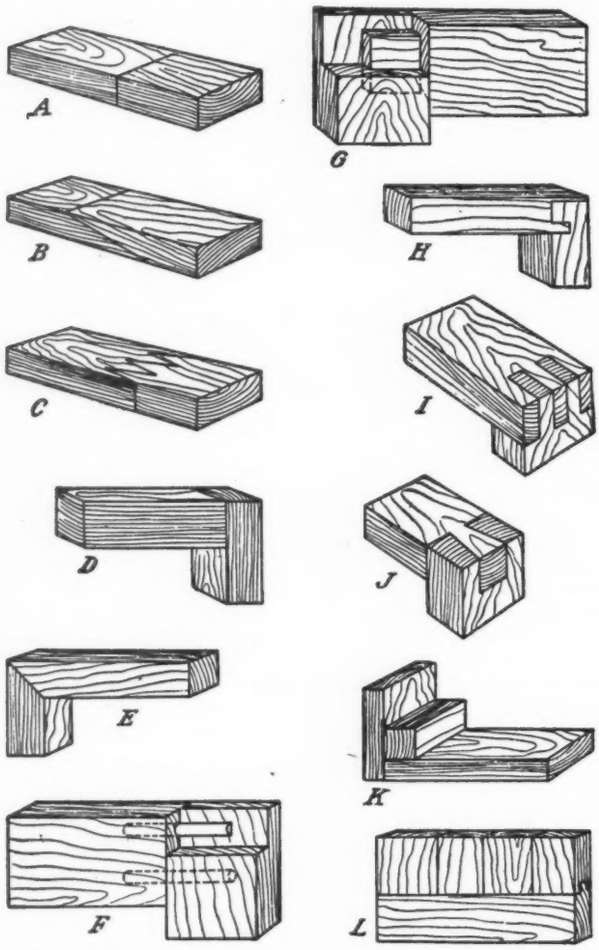
JACK RAFTER—A rafter which reaches from the wall plate to a hip, or from a valley to a ridge.

JALOUSIE—A blind or shutter with fixed slats sloping upward from without to admit air and light but to exclude rain and sun.

JAMB—The side post or lining of a doorway, window or other opening.



JOINT—The space between the adjacent surfaces of two members or components joined and held together by nails, glue, cement, mortar or other means.



Types of butt-joint construction: A—End to end; B—Scarf; C—Serrate or finger; D—End to side; E—Miter; F—Dowel; G—Mortise and tenon; H—Dado tongue and rabbet; I—Slip or lock corner; J—Dovetail; K—Blocked; L—Tongue and groove.

—Courtesy Forest Products Laboratory, U. S. D. A.

JOINTS, EXPANSION—See Expansion Joints.

JOIST—The horizontal planks or members to which the boards of a floor or lath of a ceiling are fastened, usually by nailing. They rest on the outer walls or on girders. Floor joist should always be doubled under partitions or if an opening is cut into the floor or ceiling construction so that the header cuts off two or more joists, the adjoining joist supporting the header should be doubled. See Figs. 19, 20, 21, 22, 23 of Details for House Framing.

JOIST HANGERS — (STIRRUPS) — When joists are to be laid flush with the girder, they are hung in joist hangers. See Fig. 15 of Details for House Framing.

K

KEENE CEMENT—See Cement, Keene's.

KEY-CHANGING LOCK—A lock operated with a key with bits that may be arranged in any desired combination.

KEY PLATE—A plate, either plain or ornamented, with one or more keyholes, but no knob socket for attachment to the face of a door.

KEYSTONE—The central stone at the top of an arch.

KEY WAY—The opening in cylinder locks to receive the key and guide it in contradistinction to the open keyhole of a common lock.

KICK PLATE—A plate fastened at or near the bottom of a door to protect the surface of the door.

KILN DRIED—See Lumber, Kiln Dried.

KNEE WALL—A partition of varying length used to support the roof rafters when their span is too long.

KNOB—A projecting handle for operating a lock, usually round.

KNOB BOLT—A door lock with the bolt controlled by a knob from one or both sides of the door.

KNOB LATCH—A door lock with a spring bolt operated from one or both sides of the door by a knob.

KNOB LOCK—A lock for a door with both a spring bolt, operated by the knob, and a dead bolt, operated by a key.

KNOB ROSE—A round plate or washer forming a door knob socket designed for fastening to the face of a door.

KNOB SHANK—The projecting stem on a knob with the hole or socket which fits the spindle.

KNOT—In lumber, a branch or limb, embedded in the tree, which has been cut through in the process of lumber manufacture. Knots are classified according to size, form, quality and occurrence. To determine the size of a knot, average maximum length and maximum width unless otherwise specified.

KNUCKLE—That part of a hinge or butt that encloses the hinge pin.

FLOOR JOIST TABLE

The space listed in this table is the maximum allowable for No. 2 dimension or better of yellow pine, Douglas fir or hemlock.

TABLE I FLOOR JOISTS

Nominal Size	Spacing C to C	For floors under living rooms with finished ceiling below		For all other conditions	
Inches	Inches	Ft.	In.	Ft.	In.
2 x 6	12	9	7	10	9
	16	8	4	9	3
	20	7	5	8	4
	24	6	9	7	7
2 x 8	12	12	11	14	3
	16	11	2	12	5
	20	10	0	11	1
	24	9	2	10	1
3 x 8	12	16	5	16	11
	16	14	2	15	4
	20	12	9	14	1
	24	11	7	12	10
2 x 10	12	16	3	18	1
	16	14	2	15	8
	20	12	7	14	0
	24	11	6	12	10
3 x 10	12	20	9	21	4
	16	18	11	19	4
	20	16	0	17	10
	24	14	8	16	3
2 x 12	12	19	9	21	11
	16	17	1	18	11
	20	15	4	16	11
	24	14	0	15	6

Courtesy Federal Housing Administration

L

LALLY COLUMN—A steel column supporting a girder.

LAMINATED WOOD—An assembly of wood, with the fibers or grain parallel in each piece, built up of plies or laminations and joined together either with glue or with mechanical fastenings. This is in contrast to plywood where grain of the various layers alternate crosswise, with grain on the two exposed faces parallel.

LANDING OR LANDING PLATFORM—A platform in a flight of stairs.

LANDING TREAD—A strip of the same kind of wood and of the same thickness as stair treads, about 4 inches wide, rabbited on one side to the thickness of the finish floor and nosed on the face edge the same as the tread. Used as a finished edge on stair platforms and around stair wells.

LAP SIDING—See Bevel Siding.

LATCH BOLT—In a lock, is a bolt with a beveled head moved by a spring when it is retracted in contact with the strike.

LATH—A building material of wood, metal, gypsum or insulating board, fastened to the frame of a building to act as a plaster base. See House Cross Section.

LATH, WOOD—Most wood lath are 4 feet long and 1½ inches wide, packed in bunches of 50. 1,000 pieces of 4 foot lath weigh approximately 450 pounds.

LATTICE—Any work of wood or metal made by crossing strips, rods or bars to form a network.

LATTICE, PORCH—A network panel made by crossing lattice to screen the under-side of a porch without a continuous foundation.

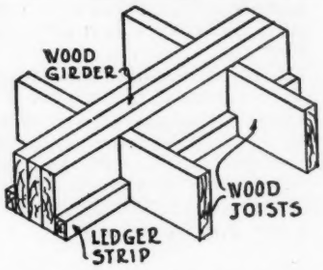
LAVATORY—A minor enclosed space in a building equipped with washbasin and frequently with a water closet. Also used to designate a basin or bowl for washing the face and hands.

LEADER—A vertical pipe attached to a building to carry water from the roof gutters. See House Cross Section.

LEADER HEAD—An ornamental enlargement at the top of a leader or conductor to receive rain water in large volume at a narrow opening where a gutter is not practical. See House Cross Section.

LEDGER BOARD—A horizontal board fastened across the uprights of a scaffold parallel to the face of a building. A ribbon, or ribband, is sometimes called a ledger board.

LEDGER STRIP—A strip of lumber nailed along the bottom of the side of a girder on which joists rest. When joists are to be flush with the top of the girder, they must be notched sufficiently to fit over the ledger strip and still rest on a plane even with the topside of the girder. Also called Ledger Plate. See Figs. 16, 17 of Details for House Framing.



LETTER BOX CHUTE—Lining for the opening behind a letter hole either in a door or a wall, and inclined downward.

LEVER CUPBOARD LATCH—A latch consisting of a lever pivoted on and passing through a plate with a hook on the inner end to engage a staple, with a knob or handle on the outer end.

ROOF AND CEILING JOIST TABLES

TABLE II FLAT ROOF JOISTS

Roof slopes 3 in 12 and less

Span is the horizontal distance between supports.

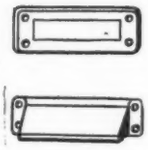
Nominal Size	Spacing C to C	Supporting Finished Ceiling		Not supporting Finished Ceiling	
Inches	Inches	Ft.	In.	Ft.	In.
2 x 6	12	12	1	14	4
	16	10	6	12	6
	20	9	5	11	1
	24	8	7	10	2
2 x 8	12	16	2	19	2
	16	14	0	16	7
	20	12	6	14	10
	24	11	5	13	6
3 x 8	12	20	7	23	5
	16	17	10	21	1
	20	15	11	18	10
	24	14	6	17	2
2 x 10	12	20	6	24	2
	16	17	9	21	0
	20	15	10	18	9
	24	14	6	17	1
3 x 10	12	26	0	29	7
	16	22	7	26	8
	20	20	2	23	10
	24	18	5	21	8
2 x 12	12	24	10	29	4
	16	21	5	25	5
	20	19	2	22	8
	24	17	6	20	9

The space listed in these tables are the maximum allowable for No. 2 dimension or better of yellow pine, Douglas fir or hemlock.

TABLE III CEILING JOISTS

Nominal Size	Spacing C to C	Limited attic storage		No Attic Storage	
Inches	Inches	Ft.	In.	Ft.	In.
2 x 4	12	8	5	11	0
	16	7	4	10	0
	20	6	7	9	3
	24	6	0	8	9
2 x 6	12	13	1	17	1
	16	11	4	15	8
	20	10	2	14	4
	24	9	3	13	7
2 x 8	12	17	6	22	10
	16	15	2	20	11
	20	13	7	19	1
	24	12	5	18	1
2 x 10	12	22	1		
	16	19	3		
	20	17	2		
	24	15	8		

Courtesy Federal Housing Administration



LETTER BOX HOOD—A plate attached to the rear surface of a door to conceal the opening from a letter plate.

LETTER DROP PLATE—A plate with an opening, usually closed with a drop or flap, through which mail be passed.

LIFT LATCH—A door latch consisting of an unencased bar pivoted to a plate and designed to engage a hook on the casing or opposite door. The bar is operated by a thumb piece on the outside and a lift handle on the inside. Usually combined with a door pull on one or both sides of the door.

LIGHT—Space in a window sash for a single pane of glass. Also a pane of glass. See Window Unit.

LIME—Limestone burned to leave calcium oxide or quicklime. The addition of water to quicklime results in chemical changes which create hydrated or slaked lime. A sack of lime weighs 50 pounds and contains 1¼ cubic feet.

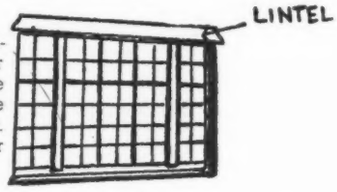
LIME, AGRICULTURAL—Used as farm fertilizer.

LIME, FINISH—Used to make lime putty for the finish plaster coat.

LIME, MASON'S—Used to make mortar for masonry work.

LINEAL FEET—Measurement in a straight line; running feet. Contrasted with board feet, square feet or cubic feet.

LINING, CEDAR—See Cedar Closet Lining.



LINTEL—A horizontal member above a window or door opening to provide additional support to the wall above the opening. Usually of wood, metal or stone.

LOCK—Usually refers to any device that secures a door or other opening so that it cannot be opened without the use of a key. Specifically, it refers to a lock with a dead bolt in contradistinction to one with a spring latch bolt.

LOCK SET—A complete lock with all the trim—knobs, escutcheon plates and screws.

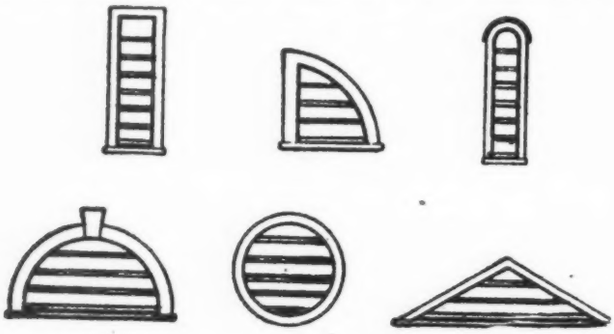
LOG CABIN SIDING—See Siding.

LOOKOUT—A short wooden bracket or cantilever to support an overhanging portion of a roof or the like, usually concealed from view. See House Cross Section.

LOOSE JOINT BUTT—A hinge with a single knuckle on each half, one of them with the pin and the other with a corresponding hole, permitting easy separation of the two parts of the butt.

LOOSE PIN BUTT—A butt with a hinge pin which can be withdrawn to allow separation of the two parts of the butt.

LOUVRE OR LOUVER—An opening with a series of horizontal slats so arranged as to permit ventilation but exclude rain, sunlight or vision. For control of attic condensation,



louvres should be placed in each gable end. To achieve satisfactory results, the total free area of louvres should be not less than ¼ square inch for every square foot of ceiling area. Also see Attic Ventilators.

LUGS—An extension of the stiles of a window beyond the meeting rails. Lugs are usually sawed ornamentally on the inside of the stile.

LUMBER WEIGHT TABLE

Species	Weight per cubic foot: Green	Weight per cubic foot: Air-dry (12-percent moisture content)	Weight per 1,000 board feet (nominal size) air-dry (12-percent moisture content)
	Lb.	*Lb.*	*Lb.*
Ash, commercial white	48	41	3,420
Aspen	43	26	2,170
Basswood	42	26	2,170
Beech	54	45	3,750
Birch	57	44	3,670
Birch, paper	50	38	3,160
Cedar, eastern red	37	33	2,750
Cedar, northern white	28	22	1,830
Cedar, Port Orford	56	29	2,420
Cedar, southern white	26	23	1,920
Cedar, western red	27	23	1,920
Cherry, black	45	35	2,930
Chestnut	55	30	2,500
Cottonwood, eastern	49	28	2,330
Cottonwood, northern black	46	24	2,000
Cypress, southern	51	32	2,670
Douglas fir (coast region)	38	34	2,830
Douglas fir ("Inland Empire" region)	36	31	2,580
Douglas fir (Rocky Mountain region)	35	30	2,500
Elm, American	54	35	2,920
Elm, rock	53	44	3,670
Elm, slippery	56	37	3,080
Fir, balsam	45	25	2,080
Fir, commercial white	46	27	2,250
Hemlock, eastern	50	28	2,330
Hemlock, western	41	29	2,420
Larch, western	48	36	3,000
Maple, bigleaf	47	34	2,830
Maple, black	54	40	3,330
Maple, red	50	38	3,170
Maple, silver	45	33	2,750
Maple, sugar	56	44	3,670
Oak, red	64	44	3,670
Oak, white	63	47	3,920
Pine, lodgepole	39	29	2,420
Pine, northern white	36	25	2,080
Pine, Norway	42	34	2,830
Pine, ponderosa	45	28	2,330
Pines, southern yellow:			
Pine, loblolly	53	36	3,000
Pine, longleaf	55	41	3,420
Pine, shortleaf	52	36	3,000
Pine, sugar	52	25	2,080
Pine, western white	35	27	2,250
Poplar, yellow	38	28	2,330
Redwood	50	28	2,330
Spruce, eastern	34	28	2,330
Spruce, Engelmann	39	23	1,920
Spruce, Sitka	33	28	2,330
Tamarack	47	37	3,080
Walnut, black	58	38	3,170

Courtesy Forest Products Laboratory, USDA

LUMBER—Lumber is the product of the saw and planing mill not further manufactured than by sawing, resawing, and passing lengthwise through a standard planing mill, cross-cutting to length and working. Lumber of thickness not in excess of 1/4" to be used for veneering is classified as veneer.

LUMBER, BOARDS—Yard lumber less than 2 inches thick and 8 or more inches wide.

LUMBER, DIMENSION—All yard lumber except boards, strips and timbers; that is yard lumber from 2 inches to but not including 5 inches thick, of any width.

LUMBER, DRESSED SIZE—The dimensions of lumber after planing, usually 3/8" less than the nominal or rough size. For example a 2x4 stud actually measures 1 5/8"x3 5/8".

LUMBER, FACTORY AND SHOP—Lumber intended to be cut up for use in further manufacture. It is graded on the basis of the percentage of the area which will produce a limited number of cuttings of a specified, or a given minimum, size and quality.

LUMBER, KILN-DRIED—Lumber dried by artificially controlled heat and humidity to a satisfactory moisture content much faster and better than can be done through the natural process commonly known as air drying or air seasoning. Kiln drying rate depends on thickness and grade of lumber; for example, a piece of 4/4 common is left in the kiln about 48 hours, but a piece of 8/4 select must remain in the kiln about three weeks.

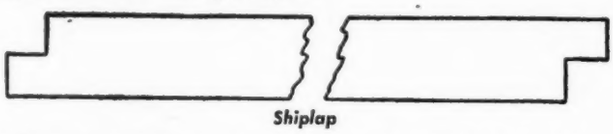
LUMBER, MATCHED—Lumber that is edge dressed and shaped to make a close tongue-and-groove joint at the edges or ends when laid edge-to-edge or end-to-end. See Dressed and Matched.

LUMBER, NOMINAL SIZE—The ordinary commercial size by which it is known and sold in the market. (See Lumber, Dressed Size.)

LUMBER, PLANK—A broad board, usually more than 1" thick, laid with its wide dimension horizontal and used as a bearing surface.

LUMBER, ROUGH—Lumber undressed as it comes from the saw.

LUMBER, SHIPLAP—Lumber that is edge dressed to make a close rabbetted or lapped joint.



Shiplap

LUMBER, STRIPS—Yard lumber less than 2" thick and less than 8" wide.

LUMBER, SURFACED—Lumber that is dressed by running it through a planer.

LUMBER, TIMBERS—Lumber 5 or more inches in least dimension.

LUMBER, WEIGHT—See Weight, Lumber.

LUMBER, YARD—Lumber of all sizes and patterns which is intended for general building purposes. The grading of yard lumber is based on the intended use of the particular grade and is applied to each piece with reference to its size and length when graded without consideration to further manufacture. See Grade.

M

MANTEL—The shelf above a fireplace. Originally referred to the beam or lintel supporting the arch above the fireplace opening. Used also in referring to the entire finish around a fireplace, covering the chimney breast in front and sometimes on the sides. See House Cross Section.

MARQUEE OR MARQUISE—A permanent hood that projects over an entrance to a building and is not supported by posts or columns.

MARQUETRY—A type of inlaid woodwork or mosaic commonly applied to flooring.

MASONRY—Stone, brick, concrete, hollow tile, concrete block, gypsum block or other similar building units or materials or a combination of same, bonded together with mortar to form a wall, pier, buttress or similar mass.

MASONRY, ASHLAR—Masonary of sawed, dressed, tooled, or quarry-faced stone with proper bond.

MASONRY, COURSED RUBBLE—Masonry composed of roughly shaped stones fitting approximately on level beds and well bonded.

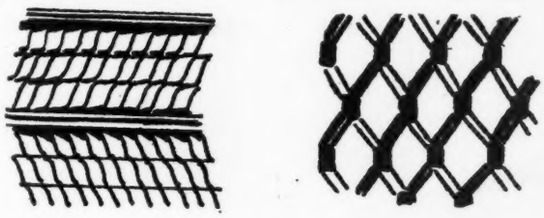
MASTER KEY—Also Pass Key. Any key which will operate a series of locks.

MASTER KEYED LOCK—A lock which is one of a series, each one of which may be operated by two keys, a master key which will operate all of them, and individual keys which operate individual locks only.

MEMBERS—The different parts of a structure such as beams, rafters, cornice, base, etc. See House Cross Section.

METAL CORNER BEAD—See Corner Bead.

METAL LATH—Sheets of metal which are slit and drawn out



to form openings on which plaster is spread.

MILLWORK—Generally all building materials made of finished wood and manufactured in millwork plants and planing mills are included under the term millwork, such as doors, window and door frames, sash, blinds, porch work, mantels, panel work, stairways, and special woodwork. It does not include finish dressed four sides, or siding, or partition, which are items of yard lumber.

MITER OR MITRE—The joining of two pieces at an angle which bisects the angle of junction.

MITER BOX OR SAW—A device for guiding a hand saw at the proper angle in cutting miter joints.

MITER JOINT—A joint on a line bisecting the angle of junction. See Joint.

MOCK RAFTER—A short piece of timber used in the construction of an open cornice to simulate a real rafter; usually sawed ornamentally. Also called rafter stubs or rafter ends.

MOISTURE BARRIER—See Vapor Barrier.

MOISTURE CONTENT OF WOOD—Weight of the water contained in the wood usually expressed in percentage of the weight of the oven-dry wood.

MOISTURE GRADIENT—A condition of graduated moisture content between the inner and outer portions of a material, such as wood, due to the loss or absorption of moisture.

MOISTURE-PROOFING—Making material resistant to change in moisture content, especially to the entrance of moisture.

MORTAR—Building material made by mixing cement, lime or plaster of Paris with sand or other aggregate and water and used in masonry, plastering, etc. To make one cubic foot of mortar for 1/2" mortar joints (Specification 1:2:10% mix):

.4 sack of cement
.1 sack mason's lime
.03 cubic yard flat sand

To lay 1,000 brick with 1/2" mortar joint requires 16.5 cubic feet of mortar, including 10% allowance for waste.

To lay 1,000 brick with 3/8" mortar joint with 1 to 3 cement mortar, the following quantities are required:

3/4 yard flat sand
5 sacks cement
1 sack mason's lime

To lay 1,000 brick with 3/8" mortar joint with a 1 to 2 lime mortar:

3/4 yard flat sand
5 sacks mason's lime
1 sack cement

Mortar for cement blocks: To lay up 100 8"x8"x16" cement blocks will require:

1 1/4 sacks cement
1 1/4 sacks mason's lime
3 1/2 cubic feet of sharp sand

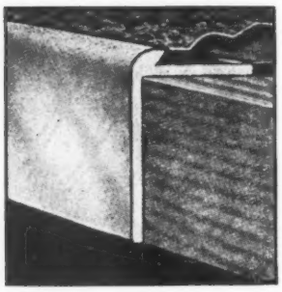
One cubic foot of mortar will lay 25 8" blocks; 1 1/4 cubic feet will lay 25 12" blocks.

MORTAR COLOR—A special pigment used to color mortar. The amount of mortar color required to lay 1,000 brick with 1/2-inch mortar joint:

Standard Black	125 lbs. or 80 qts.
Double Strength Black	100 lbs. or 70 qts.
Buff	100 lbs. or 75 qts.
Double Strength Chocolate	100 lbs. or 55 qts.
Green	100 lbs. or 50 qts.
Red	125 lbs. or 60 qts.

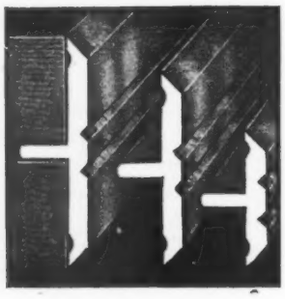
MORTISE—A slot cut into a board, plank or timber, usually edgewise, to receive a tenon on another board, plank or timber to form a joint. See Joint.

STANDARD SHAPE METAL MOULDINGS AND THEIR USES

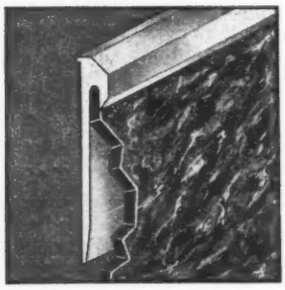


Underslung Face Nosings—To be applied on table, sink, desk and shelf tops, etc., before cover material is installed. Comes in various sizes for various gage material.

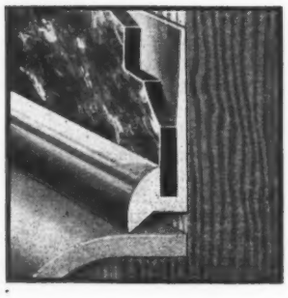
Cove—Used to finish or cover corner joint after covering is applied on sink tops, inside corners, etc.



Tee Counter Nosing—Used to finish table and counter tops, etc. Installed by cutting slot in wood and driving nosing into slot.

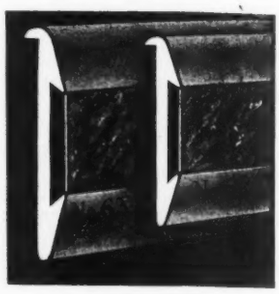


Cap Moulding—To be used in conjunction with wall board, plywood, linoleum, etc. A trim for the top or end of material.

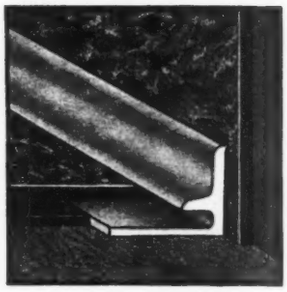


Bath Tub Edge—Used to hold tile board or other covering materials around bath tubs, window and door casings, etc.

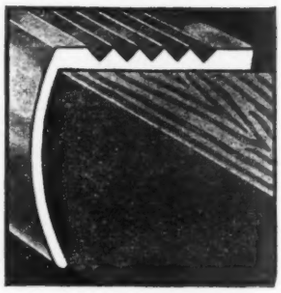
Straight Face Nosings—To be installed on table, sink, counter, desk and shelf tops, etc., after covering has been applied. Comes in various face depths.



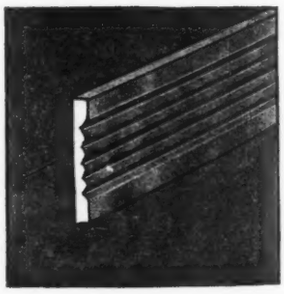
Cove—To be installed after one surface of corner has been covered. Opening for various gage material.



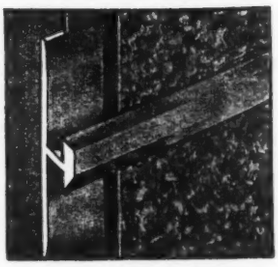
Butt Type Stair Nosing—Used to cap front of stair tread that is to be covered with a floor covering material.



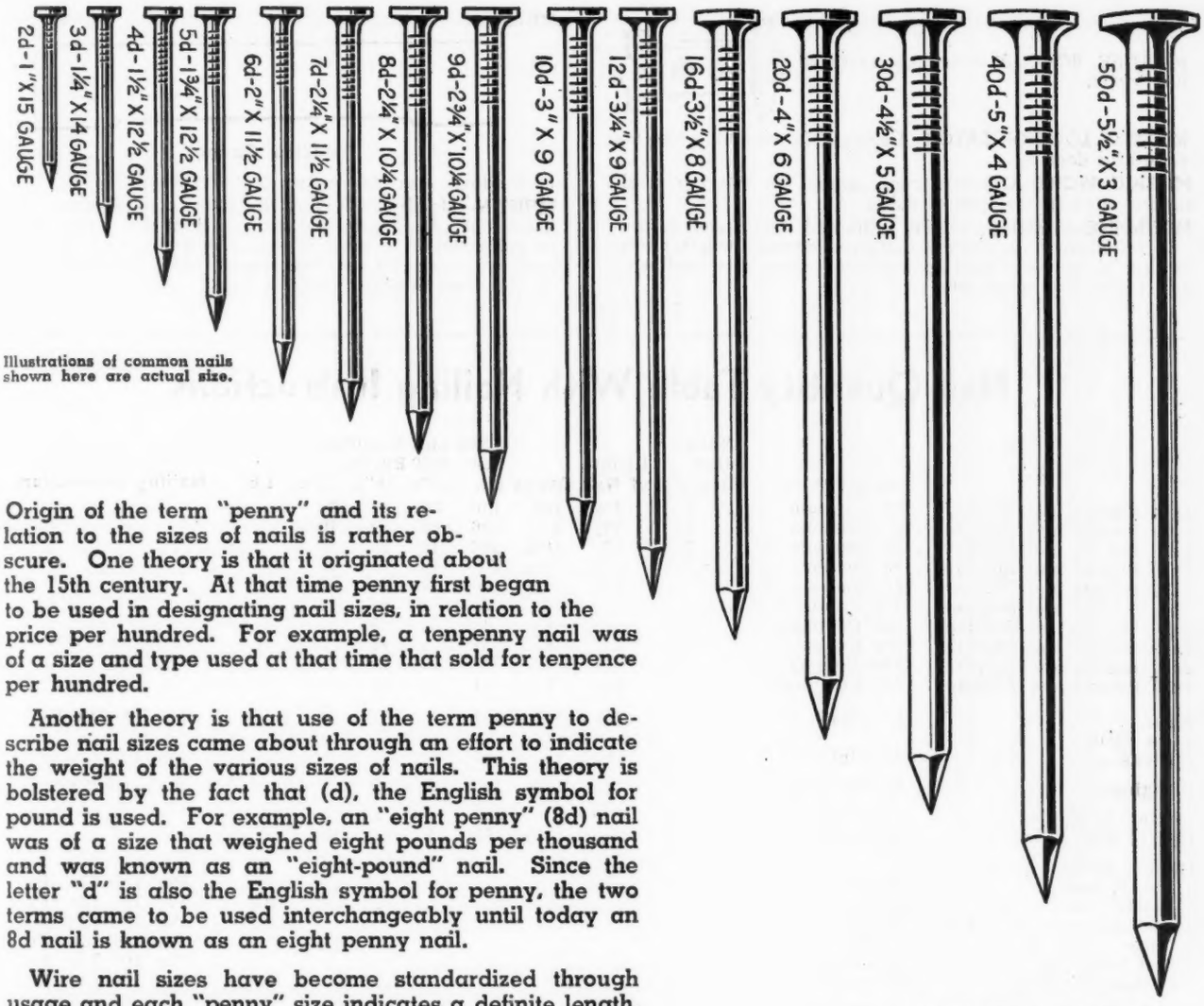
Panel Strip—Used to cover a joint or for decorative purposes.



Division Bar—Used as a joint for wall board, plywood, linoleum, etc.



Courtesy Youngstown Manufacturing, Inc.

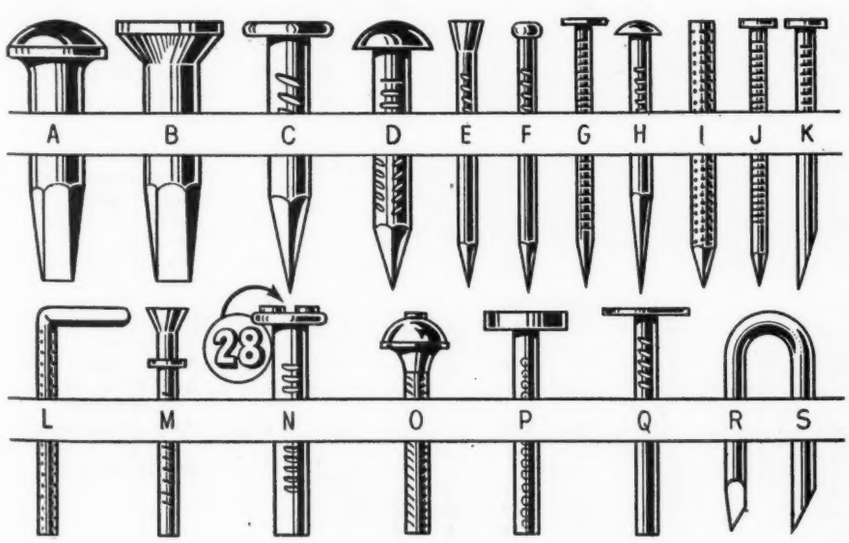


Illustrations of common nails shown here are actual size.

Origin of the term "penny" and its relation to the sizes of nails is rather obscure. One theory is that it originated about the 15th century. At that time penny first began to be used in designating nail sizes, in relation to the price per hundred. For example, a tenpenny nail was of a size and type used at that time that sold for tenpence per hundred.

Another theory is that use of the term penny to describe nail sizes came about through an effort to indicate the weight of the various sizes of nails. This theory is bolstered by the fact that (d), the English symbol for pound is used. For example, an "eight penny" (8d) nail was of a size that weighed eight pounds per thousand and was known as an "eight-pound" nail. Since the letter "d" is also the English symbol for penny, the two terms came to be used interchangeably until today an 8d nail is known as an eight penny nail.

Wire nail sizes have become standardized through usage and each "penny" size indicates a definite length, regardless of the weight which varies with the gauge, or diameter, and type of head. The type of head is also variable for different types of nails. By trade custom the nominal length of all nails, except cement coated and those with countersunk heads, is measured from the under side of the head to the tip of the point. Cement coated and countersunk nails are measured over their entire length, including the head.



SOME TYPES OF NAILS

(At Left)

A—Oval head, chisel point.

B—Flat head countersunk, chisel point.

C—Flat head, diamond point.

D—Round head, diamond point.

E—Countersunk head, diamond point. Used for casing and flooring.

F—Brad head, diamond point. Finishing nails.

G—Flat head, needle point.

H—Oval head, duck bill point.

I—Barbed dowel pin.

J—Flat head, diamond point.

K—Flat head, side point.

L—Metal lath nail.

M—Double head, countersunk.

N—Tie and pole markers.

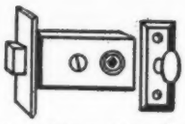
O—Lead head.

P—Lead head.

Q—Large flat head.

R-S—Fence staple.

MORTISE BOLT—A door bolt mortised into a door.

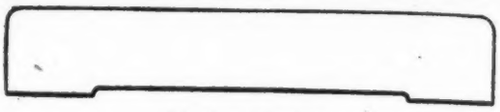


MORTISE LOCK OR LATCH—Designed for mortising into the edge of a door.

MOSAIC WORK—Ornamentation formed by inlaying small pieces, often in the form of cubes.

MOULDING—Material, usually patterned strips, used to provide ornamental variation of outline or contour, whether projections or cavities, such as cornices, bases, door and window jambs and heads, etc.

MULLION—A slender bar forming a division between units



Mullion Casing

of windows, screens, frames, or door panels.

MUNTIN—Members dividing the glass or openings of sash, doors, etc. Applies to any short or light bar, either vertical or horizontal in a sash or door, between glass or panels and not extending for the overall width or length of the article. See Window Unit.

Nail Quantity Table With Nailing Instructions

	Size of Nails	Nails each Bearing	Length of Nail	Gauge	Nails per Lb.	Lbs. Required 1000 Bd. Ft. 24"c.	16"c.	12"c.	Lb.	Nailing Instructions
1x 4 Boards and Shiplap	8d Common	2	2½	10¼	106	30	48	60		
1x 6 Boards and Shiplap	8d Common	2	2½	10¼	106	20	32	40		
1x 8 Boards and Shiplap	8d Common	2	2½	10¼	106	16	26	31		
1x10 Boards and Shiplap	8d Common	2	2½	10¼	106	13	20	25		
1x12 Boards and Shiplap	8d Common	3	2½	10¼	106	16	24	31		
2x 4 Boards and Shiplap	20d Common	2	4	6	31	..	82	..		
2x 6 Boards and Shiplap	20d Common	2	4	6	31	..	55	..		
2x 8 Boards and Shiplap	20d Common	2	4	6	31	..	41	..		
2x10 Boards and Shiplap	20d Common	3	4	6	31	..	50	..		
2x12 Boards and Shiplap	20d Common	3	4	6	31	..	41	..		
Base	8d Finish	2	2½	12½	189	..	..	..	1	Per 100 Lin. Ft.
Base Shoe										
Battens	4d Finish	..	1½	15	584	..	..	..	½	Per 100 Lin. Ft.
Bridging	8d Common	..	2½	10¼	106	.9	1.2	1.5	4	Nails each piece
Ceiling ½ or ⅝x4	6d Finish	1	2	13	309	6	8	11		
Ceiling ¾x4	8d Finish	1	2½	12½	189	9	14	18		
Corner Boards—Cornice										
Fascia 1x4	8d Box	..	..	..	..	..	..	..	1.5	Per 100 Lin. Ft.
Frieze 1x8	8d Box	..	..	..	..	..	..	..	2.2	Per 100 Lin. Ft.
Plancher 1x10 and 1x12	8d Box	..	..	..	..	..	..	..	2.5	Per 100 Lin. Ft.
Verge Board 1x6	8d Box	..	..	..	..	..	..	..	2.0	Per 100 Lin. Ft.
Bed Moulding	6d Casing	..	..	..	..	..	..	..	.5	Per 100 Lin. Ft.
Crown Moulding	6d Casing	..	..	..	..	..	..	..	.8	Per 100 Lin. Ft.
Finish ⅞ Inch	8d Finish	2	2½	12½	189	13	12	25		
Finish 1¼ Inch	10d Finish	2	3	11½	121	6	10	12		
Flooring 1x3 Soft Wood	8d Casing	1	2½	11½	145	21	32	42		
1x4 Soft Wood	8d Casing	1	2½	11½	145	16	24	30		
1x6 Soft Wood	8d Common	1	2½	10¼	106	11	16	22		
⅝x1½ Hard Wood	4d Casing	1	1½	14	473	..	10	13		Nail every 10 to 12"
⅝x2 Hard Wood	4d Casing	1	1½	14	473	..	8	11		Nail every 10 to 12"
13/16x2¼ Hard Wood	8d Casing	1	2½	11½	145	..	14	20		Nail every 14 to 16"
1x4 Refinished	8d Casing	1	2½	11½	145	18	..	..		Nail every 14 to 16"
2x6 D & M		1	4	6	31	..	20	35		
13/16x1½ Hard Wood	8d Casing	1	2½	11½	145	..	20	27		
Furring—										
1x2 on Brick Walls	20d Common Cut Nails	..	..	..	..	..	..	..	5¼	Per 100 Lin. Ft.
Grounds										
Gypsum Products										
Gyplap	7/16 Head Roofing Nail	..	¼	10½	147	..	..	..	14	Space 4" apart except under wood siding 8" apart
Rock Sheet ¼ Inch	4d Common	..	1⅜	14	488	..	..	..	4½	Nail 5 to 7" apart on ceiling
Rock Sheet ⅜ Inch	4d Common	..	1⅜	14	488	..	..	..	4½	Nail 6 to 8" apart on walls
Rock Sheet ½ Inch	6d Common	..	1⅝	13½	364	..	..	..	6	
Rock Wood Grain	4d Common	..	1⅜	15	488	..	..	..	3	Use flathead nail under trim
Rock Wood Grain	4d Common	..	1½	14	534	..	..	..	1½	Use finish nail in fielddrive at 45 degree angle
Tile Board	4d Common	..	1⅜	14	488	..	..	..	4½	Nail same as sheetrock but nail in field not in groove
Framing 2x4 to 2x12	20d Common	..	4	6	31	10	15	20		
	16d Common	..	3½	8	49	6	8	10		
	10d Common	..	3	9	69	4	6	8		

	Size of Nails	Nails each Bearing	Length of Nail	Gauge	Nails per Lb.	Lbs. Required 1000 Bd. Ft. 24"c.	16"c.	12"c.	Lb.	Nailing Instructions
Girders—Built Up										
2x 6	16d Common	..	3½	8	49	..	..	..	2.0	Per 100 Lin. Ft. 30 pounds
2x 8	16d Common	..	3½	8	49	..	..	..	2.8	Per 100 Lin. Ft. Mixed 16d
2x10	16d Common	..	3½	8	49	..	..	..	3.5	Per 100 Lin. Ft. or/and 20d Com.
2x12	16d Common	..	3½	8	49	..	..	..	4.2	Per 100 Lin. Ft. Per M
Insulating Board										
½ Inch Building Board	4d Common	..	1½	12½	316	..	..	..		Exposed nailing No. 17 1¼ wire nail Concealed nailing 4d Com. or Box
1 Inch Building Board	8d Common	..	2½	10¼	106	..	..	..		Exposed nailing No. 17 2" Concealed nailing 8d Com. Nail above edges 3" oc—⅜" from edges or edge Intermediate 6" apart
Bevel Plank	4d Box	..	1¼	..	..	..	..	..		12" oc.
Joist Flooring and Ceiling										
2x 6 and 2x 8	16d Common	..	3½	8	49	13	18	22		
2x10 and 2x12	16d Common	..	3½	8	49	14	15	16		
Lath										
½ Inch Insulating Board Plaster Board		..	1⅛	13	448	..	..	..	10	4d Box or 6d box may be used. Nail ⅜" from edge 4" oc 20 nails per lath ½" from shiplapped edges
1 Inch Insulating Board Plaster Board		..	1¾	13	291	..	..	..		6" apart on all supports
Metal Lath	7/16 Head Roofing Nail	..	2	10½	126	..	..	..	17½	Drive nails well in and bend to engage at least 2 strands of lath
Rock Lath	Plaster Board	5	1⅛	13	419	..	..	..	9	Nail 4" apart—5 nails per stud
Wood Lath	3d Fine	1	1⅛	15	778	..	..	..	7	Per 100 Lath
Plywood ¼ Inch	4d Common	..	1½	12½	316	6	9	12		
5/16 Inch	6d Common*	..	2	11½	181	..	..	..		
⅜ Inch	6d Common*	..	2	11½	181	..	..	..		
½ Inch	7d Common*	..	2¼	11½	161	8	12	16		
⅝ Inch	8d Common*	..	2½	10¼	106	..	..	..		
¾ Inch	10d Common*	..	3	9	69	14	21	28		

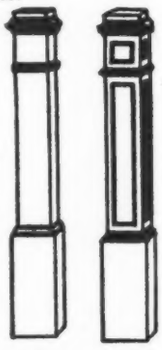
When nailing ¼ inch Plywood it will require about 5 pounds per 1000 square feet of 4d finish nails or 9 pounds of 4 inch flat head nails where battens are not used; and about 4½ pounds of 4d flat head nails together with 3 pounds of 4d finish nails where battens are used to cover joints spaced 4 feet 0 inches apart.
*Preferably cement coated nails.

Roofing										
Metal Roll Roofing	Coldwar Rfg. Nail	..	1½	..	..	..	..	..		Reroofing over wood shingles
Shingles—Roof										
Asbestos (New Work)	Rfg. Nail	..	1¼	10	170	..	..	..	1½	Per Square American Colonial No. 607—4 nails per shingle
Asbestos (Old Work)	Rfg. Nail	..	2	10	110	..	..	..	2½	Per Square American Colonial No. 607—4 nails per shingle
Asphalt (New Work)	Rfg. Nail	..	1	10	190	..	..	..	6	Per square for Thickbutts
Asphalt (Old Work)	Rfg. Nail	..	1¾	10	130	..	..	..		
Wood (New Work)	3d Gal.	..	1¼	13	429	..	..	..	4½	
Wood (Old Work)	Rfg. Nail	..	2	10	110	..	..	..		
Sheathing										
½ Inch Vapor Seal	6d Common	..	2	11½	181	..	..	..	1½"	Roofing Nails ⅜" heads may be used on ½"
¾ Inch Vapor Seal	8d Common	..	2½	10¼	106	..	..	..	1¾"	Roofing Nails ⅜" heads may be used on ¾" nail edges 3" apart ⅜" from edge —Intermediate nailing 6" apart.
Siding-Bevel										
½x 4	6d Box	1	2	12½	236	..	18	23		
½x 6	6d Box	1	2	12½	236	..	15	15		
½x 8	6d Box	1	2	12½	236	..	10	12		
¾x10	7d Box	2	2¼	12½	210	..	35	45		
¾x12	7d Box	3	2¼	12½	210	..	50	60		

	Size of Nails	Nails each Bearing	Length of Nail	Gauge	Nails per Lb.	Lbs. Required 1000 Bd. Ft. 24"c.	16"c.	12"c.	Lb.	Nailing Instructions
Siding Drop										
1x4	7d Box	2	2¼	12½	210	22	35	45		
1x6	7d Box	2	2¼	12½	210	15	23	30		
Siding										
Wood Shingle Exp. 6 Inch	3d Gal.	..	..	..	..	..	..	..	4	Per Square
Wood Shingle Exp. 7½ In.	3d Gal.	..	..	..	..	..	..	..	3	Per Square
Asbestos Side Wall										
New Work	Gal. Rfg. Nail	..	1¼	..	..	..	..	..	1	Per Square (Face nails Inc. with shg.)
Old Work		..	2	..	..	..	..	..	1½	Per Square (Face nails Inc. with shgs.)
Insulated Brick										
Studding										
2x4 Mixed	16d Common	..	3½	8	49	..	..	..	15	Per 1000 Bd. Ft.
2x6 Mixed	8d Common	..	2½	10¼	106	..	..	..	15	Per 1000 Bd. Ft.
Trim—Side of Door and	4d Finish	..	1½	15	584	..	..	..	½	Per Side of Trim
Window	6d Finish	..	2	13	309	..	..	..	½	Per Side of Trim
	8d Finish	..	2½	12½	189	..	..	..	½	Per Side of Trim
Wall Board 3/16	3d Common	..	1¼	14	568	..	..	..	5	Per 1000 Sq. Ft.
¼ Inch	4d Common	..	1½	12½	316	..	..	..	9	Per 1000 Sq. Ft.
⅜ Inch	4d Common	..	1½	12½	316	..	..	..	9	Per 1000 Sq. Ft.
Miscellaneous										
Celo—Siding	8d Common	..	..	..	..	..	..	..		4½" oc intermediate nailing and edge supports ⅜" from edge
⅛ Inch Flexboard	No. 1x1 Button Head Drive Screw Nails	..	..	..	..	..	..	..		
3/16 Inch Flexboard	Same as above	..	..	..	..	..	..	..		

N

NEAT PLASTER—Refers to unsanded plaster.



Starting Newels

NEWEL—A post to which the end of a stair railing or balustrade is fastened. Also any post to which a railing or balustrade is fastened. See Stair. See House Cross Section.

NEWEL STAIR—A stair with newels at the angles to receive the ends of the strings. Also a spiral stair with the inner or smaller ends of the treads engaged in a solid core.

NICHE—A small recess of any shape in a wall used for holding statues, vases, telephones, door chimes, etc.

NIGHT LATCH—A door lock with a spring bolt that cannot be operated from the outside except with a key.

NON-BEARING WALL—A wall supporting no load other than its own weight.

NOSE PLATE—In builders hardware, a small plate that surrounds the nose of a cylinder lock.

NOSING—The projecting edge of a moulding or drip. Usually applied to the projecting moulding on the edge of a stair tread. See Stair.

O

O. C.—On Center. The measurement of spacing for studs, rafters, joists, etc., in a building from center of edge of one to center edge of one next to it.

OFFSET—Same as Break.

ORDINARY CONSTRUCTION—See Construction, Ordinary.

ORIEL WINDOW—See Window, Oriel.

ORIENTATION—The arranging or facing of a building or other structure or group of structures, with respect to the points of the compass. Orientation may be determined by a view, the sun, direction of the wind, etc.

OVER-ALL WIDTH—The total width of a piece of dressed and matched or shiplapped lumber including the width of the tongue or lap. The amount of such lumber required to cover a given area should not be computed on the basis of the over-all width since the tongue or lap is the means of joining the pieces and does not "cover" any surface.

P

PADLOCK—A lock that is portable, with a bow that is pivoted or jointed at one end so it can be opened, the other end fastened by the bolt. Used by passing the bow through a staple over a hasp or through links of a chain.

Estimating Required Amount of Exterior Paint

In estimating the amount of paint required for a job, measure the distance around the house and multiply it by the height at the corners of the building. This will give the total side area of the house, not including the gable. The gable area is calculated by multiplying the height of the triangle or gable by half its width.

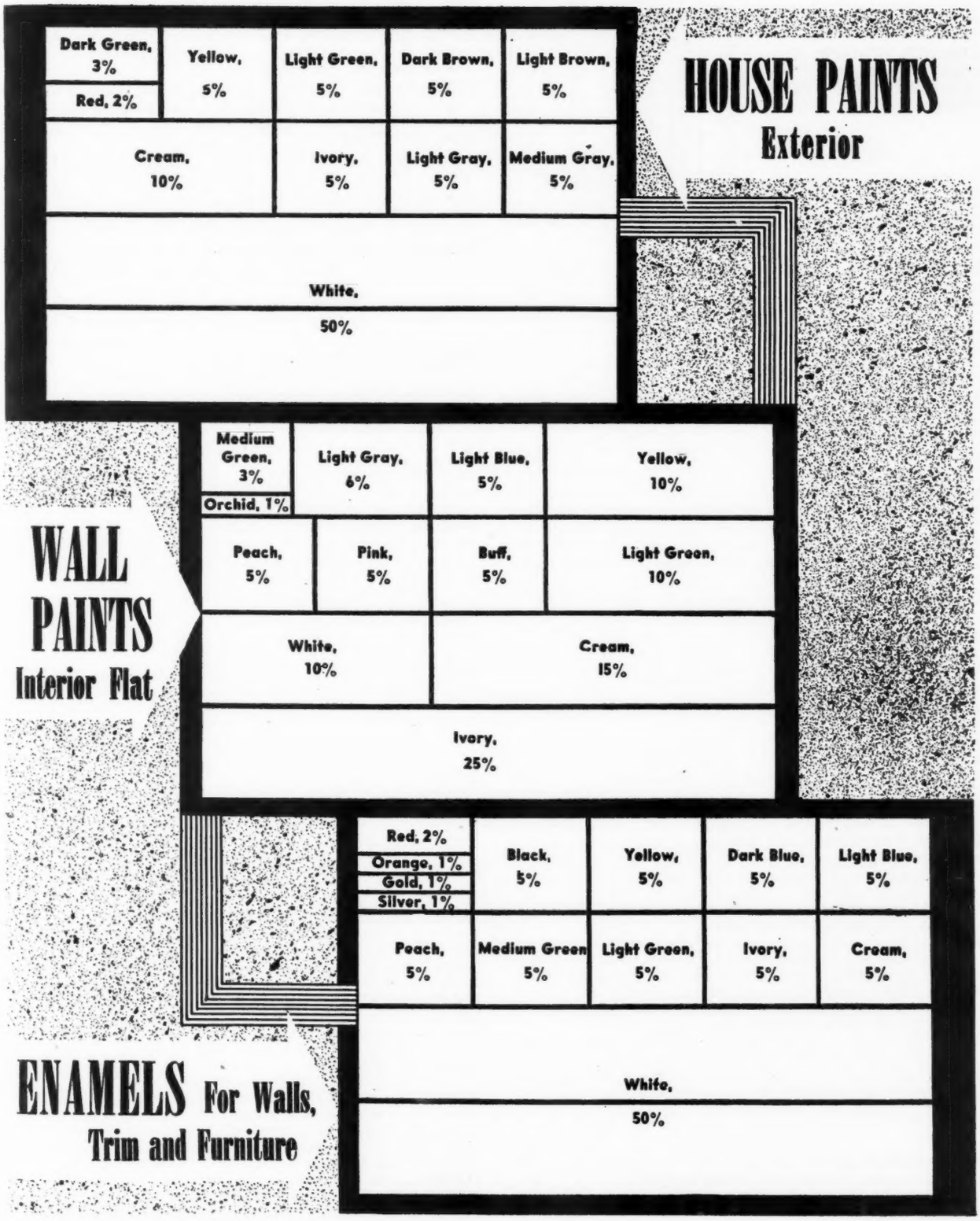
To make the method clearer the area of a house 25 x 30 feet, 22 feet to eaves, with a porch would be figured as follows:

Total side area 110' x 22' = 2420 square feet.
One gable (height x ½ width.)
8' x 12½' = 100 square feet.
2 x 100 square feet = 200 square feet, area two gables.
Porch (length x width.)
25' x 7' = 175 feet, area of ceiling.
2 x 175 square feet = 350 square feet, area of ceiling and floor.
Total area .....2970 square feet.

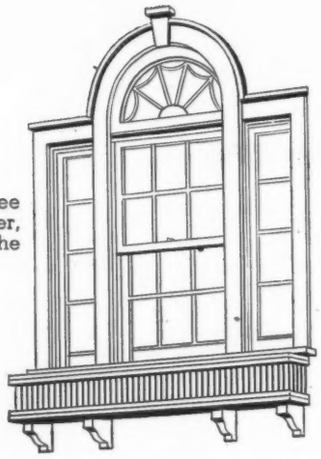
Once these figures have been obtained, use the spreading rate of paint as specified by the manufacturer, usually indicated on the container, and calculate the number of gallons of paint required for the job by dividing area by the number of square feet a gallon of paint will cover.

PANELBOARD—In house construction, usually refers to the upright board to which is attached the fuse box, switches, etc., controlling the electrical system.

Balanced Paint Stock Chart



An analysis of the relationship of the various colors in a well balanced paint stock. These proportions are substantially correct for the average lumber dealer's paint market, but special conditions in certain neighborhoods might be cause for some adjustment. Only as the paint stock is in harmony with the needs and demands of the community can a dealer realize full profit benefits from his paint department.



PALLADIAN WINDOW—Three windows adjoining each other, with an arched head on the center one.

PANEL—A large, thin board or sheet of lumber, plywood or other material. A thin board with all its edges inserted in a groove of a surrounding frame of thick material. A portion of a flat surface recessed or sunk below the surrounding area, distinctly set off by moulding or some other decorative device.

PANEL STRIP—A strip of material, plain or ornamented, attached to a surface to form a panel.

PANEL WALL—A non-bearing wall in skeleton construction, built between columns or piers and wholly supported at each story.

PANTRY—A minor enclosed space in a building, usually adjacent to a kitchen, used for the storage, or preparation of food.

PARAPET—A wall serving as a guard at the edge of a road, terrace, bridge, balcony, or the like.

PARGE COAT OR PARGET—Coarse plasterwork applied over masonry as a protection or decoration. A base coat or protective coat for dampproofing.

PARTITION STUDS—See Studding.

PARTITION—A wall that subdivides spaces within any story of a building.

PARTITION, BEARING—A partition which supports any vertical load in addition to its own weight.

PARTITION, DWARF—A partition that does not extend from floor to ceiling.

PARTITION, FIRE—A partition designed to restrict the spread of fire, or to provide an area of refuge.

PARTITION, NON-BEARING—A partition extending from floor to ceiling which supports no load other than its own weight.

PARTY WALL—A wall used or adapted for joint service between two buildings.

PATCHING PLASTER—A special compound for patching small holes or cracks in plaster walls.

PECK—Found in cedar and cypress. Channeled or pitted areas or pockets of localized decay.

PEDESTAL—In building, the square support for a column.

PEDIMENT—The triangular space formed by the gable of a low-pitched roof, frequently used as ornamentation or decoration above doors, windows, etc.

PERGOLA—A structure whose roof, composed of girders and cross-rafters, is open to the sky, usually supported on piers or posts in parallel rows, occasionally having a circular or other geometric ground plan.

PICTURE MOULDING—A narrow moulding fastened to the walls of a room near the ceiling to support pictures hung with hooks.

PERRON—A flight of exterior steps leading to an entrance or along a walk, path, or trail, often wider in tread and less steep than the usual steps. A stepped walk related to the length of stride.

PIER—A column of masonry or other material, used to support structural members.

PILASTER—A part of a wall that projects not more than one-half of its own width beyond the outside or inside face of a wall, acting as an engaged pier. See House Cross Section.

PILE—A heavy timber, or pillar of metal or concrete, forced into the earth or cast in place to form a foundation member.

PITCH—The incline or rise of a roof. Pitch is expressed in inches or rise per foot of "run", or by the ratio of the rise to the span. See Span.

PITCH POCKET—In lumber, a well defined opening between rings of annual growth, usually containing, or which has contained, more or less pitch, either solid or liquid.

PLAIN CONCRETE—See Concrete, Plain.

PLAIN RAIL—Meeting rails of the same thickness as balance of the window. Opposite of Check Rail.

PLAN—A drawing representing any one of the floors or horizontal cross-sections of a building, or the horizontal plane of any other object or area.

PLANCIER—The horizontal portion of a cornice extending from the frieze to the fascia under the lookouts or rafter ends. See Cornice.

PLANE—A surface, which, if any two points are taken, a straight line joining them lies wholly on that surface; a surface of zero curvature. Also, a carpenter's tool.

PLANING MILL PRODUCTS—Lumber worked to pattern such as flooring, siding, ceiling, etc.

PLASTER ARCH—An untrimmed plaster opening. See House Section. See Arch, Metal.

PLASTER BASE—Any material on which plaster is to be applied, such as wood lath, metal lath, woven wire fabric, plaster board,etc.

PLASTER CEILING PANEL—A section of a ceiling which is made to appear depressed or raised by furring on the joists before lathing is done.

PLASTER COVE—A cove, usually between a sidewall and ceiling made by nailing rough-sawn cove brackets against each stud and the corresponding ceiling joist. Lathing is continuous from the sidewall onto the ceiling. Such coves are commonly on a 15-inch radius.

PLASTER OF PARIS—Most common and universal term, used when speaking of calcined gypsum. Derives its name from extensive deposits of gypsum found in the neighborhood of Paris, France.

PLASTER WAINSCOT CAP—A band of interior trim which covers a horizontal plaster joint; usually where the plaster wainscoting and float finish meet in kitchen and bathrooms. Sometimes used erroneously in referring to a chair rail.

PLAT—A map, plan, or chart of a city, town, section or subdivision indicating the location and boundaries of individual properties.

PLATE—A horizontal member laid on a wall or spiked to the top of studding, applied generally to practically all horizontal timbers which are laid on walls, studs, etc., to receive and support other timbers, especially the ends of joists or rafters. Usually a single plate, shoe or sole plate is used at the bottom of studding and a double plate on top. Also called false girt. See Figs. 26, 29 of Details for House Framing.

PLATE, OUTSIDE STUDDING—Usually the same size as studding. The lineal feet required will be three times the number of lineal feet in the perimeter of the building for single sole and double plate. See Details for House Framing.

PLATE, PARTITION STUDDING—Should be the same dimension as the partition studding and the lineal feet required will be three times the number of lineal feet in the length of the partitions for sole plate and double top plate.

PLATFORM FRAMING—A type of frame construction. See Fig. 3 of Details for House Framing.

PLINTH—(a) A block of interior wood finish thicker than the other trim, against which the base board ends at door openings. Side door casings continue upward from the top of a plinth block. (b) The square block at the base of a column or pedestal.

PLUMB—Exactly perpendicular, vertical.

PLUMB BOB—The weight or bob on a plumb line.

PLUMB LINE—A string or cord with a weight at one end used to establish a perpendicular line.

PLUMB RULE—A narrow board with a plumb line and bob.

PLUM STONE—Stone imbedded in cement to form footings or walls.

PLY—A term to denote the number of thicknesses or layers of roofing felt, veneer in plywood, etc., in any finished piece of such material.

PLASTER TROUBLES AFTER APPLICATION

IF PLASTERED WALL IS:	THE TROUBLE IS:	REMEDY:	TO PREVENT TROUBLE IN FUTURE:
Soft, white, chalky particularly over openings. Hot weather condition.	"Dry Out." Plaster dried before setting.	Spray walls with clean water. Keep wet till set.	Screen openings. Wet lath and floors. Avoid thin coats. If plaster slow set use accelerator.
Damp. Soft. Winter condition.	"Sweat Out." Plaster holds water and "rots."	After plaster is set open doors and windows. Supply heat.	Allow ventilation to hasten drying after plaster is set. Supply artificial heat in cold weather.
Soft, resembling sweat out—rooms have been at freezing temperature.	Walls are frozen.	Throw open building. Let walls freeze dry.	Keep walls from freezing until plaster is dry or at least 24 hours.
Soft, not due slow set or hot weather or retempering plaster.	(1) Too much sand. (2) Too fine sand.	None.	(1) Measure sand accurately. Do not use over 3 parts by weight. (2) Use other sand.
Wood lath. Cracks or bulges horizontal with lath. Straight vertical cracks.	Due swelling poor grade of lath or improperly spaced or failure to wet down. Failure stagger joints.	Remove and replaster.	Use No. 1 lath, white pine, cypress or spruce free from bark, sap, or knots. Space 1/4" to 3/8" apart. Stagger. Wet lath before plastering.
Gypsum lath. Cracks around joints.	Too thin coat.	Apply second coat.	Use proper grounds.
Metal lath. Sags, cracks, does not adhere.	Too light lath, too open spaces, plaster not double fibered. Plaster over sanded.	Reapply.	Correct conditions mentioned.
Brick or tile. Small cracks.	Failure wet before plastering. Too little sand. One coat work.	Float crack or apply more plaster.	(1) Wet tile before plastering. (2) Use 3 parts sand. (3) Two coat work.
Concrete. Poor bond.	Use of improper plaster. Unprepared surface.	Remove loose plaster. Condition wall. Apply bond plaster.	Surface must be rough, clean. Use concrete bonding coat.

Courtesy National Gypsum Co.

PLYWOOD—Sheets or panels of wood made of three or more layers of veneer joined with glue and laid with the grain of adjoining panels at right angles. Almost invariably an odd number of plies are used to obtain balanced construction.

POCKET BUTT—A hinge for three-ply inside shutters, each leaf of the butt bent at a right angle near its center. Used on the third leaf of a shutter to permit it to enter and leave its pocket without jamming.

POINTING—The treatment of joints in masonry for appearance or protection by filling with mortar under tool pressure and usually to a definite form. Also, the filling placed in joints of roofing of slate, tile, etc., as a closure.

PORCH—A floor extending beyond the exterior walls of a building. It may be covered and enclosed or unenclosed.

PORTICO—An open space having a roof supported by columns, located outside an entrance to or exit from a building. See House Cross Section.

PREFABRICATED CONSTRUCTION—See Construction, Prefabricated.

PRESERVATIVE—With reference to wood, any substance applied to or injected into wood to protect it from attack by fungi, insects or marine animals.

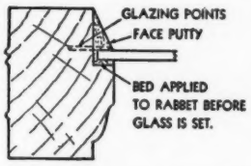
PULL DOWN HANDLE—A light handle attached to the under side of the bottom rail of upper window sash to facilitate moving the sash.

PURLIN OR PERLING—A supported piece of timber placed under rafters to prevent them from sagging, between where they rest on the wall and ridgepiece or ridgepole.

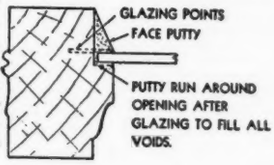
PUSH PLATE—A plate placed on the surface of a door to protect it from wear and soiling, as a result of persons pushing the door open. In public buildings or business places, the word "push" is usually part of the face design of push plates.

PUTLOGS—The horizontal crosspieces on which scaffold planks rest, one end bearing on the ledger board and the other end secured to the face of the building.

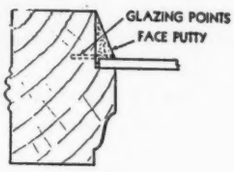
PUTTYING, BACK—After the sash has been face puttied, it is turned over and putty is run around the glass opening with a putty knife, thus forcing putty into any voids that may exist between the glass and the wood parts.



PUTTYING, BED—A thin layer of putty or bedding compound is placed in the rabbet of the sash and the glass pressed onto this bed. Glazing points are then driven into the wood and the sash is face puttied. The sash is then turned over and the excess putty or glazing compound which emerged on the other side is cleaned away by running the putty knife around the perimeter of the glass opening.



PUTTYING, FACE—In face puttying, the glass is inserted in the glass rabbet and securely wedged where necessary to prevent shifting. Glazing points are also driven into the wood to keep the glass firmly seated. The rabbet is then filled with putty, the putty being beveled back against the sash and muntins with a putty knife.



PUTTY—A type of cement usually made of whiting and boiled linseed oil, beaten or kneaded to the consistency of dough and used in sealing glass in sash, filling small holes and crevices in wood and for similar purposes.

Q

QUARTER-ROUND—Moulding which presents a profile of a quarter circle.

QUARTER SAWN—See Grain.

QUOIN—Distinctive material, other than that used in the regular wall, which sets off or defines the corner of a building; usually refers to masonry.

R

RABBET—A rectangular longitudinal groove cut in the corner of a board or other piece of material.

RAFTER—One of a series of structural members of a roof designed to support roof loads. The rafters of a flat roof are sometimes called roof joists. See Fig. 24 of Details for House Framing. Also House Cross Section.

RAFTER, COMMON—One which reaches from wall plate to ridge.

RAFTER, DOUBLE JACK—One which reaches from a valley to a hip.

RAFTER, JACK—One which reaches from the wall plate to a hip or from a valley to a ridge.

RAFTER, LAMINATED—See Laminated Wood.

RAFTER, RUN—See Run.

RAFTER, VALLEY—A rafter which forms the intersection of an internal roof angle.

TABLE ON RAFTER LENGTHS

The space listed in this table is the maximum allowable for No. 2 dimension or better of yellow pine, Douglas fir or hemlock.

TABLE IV RAFTERS

Roof slopes greater than 3 in 12

Span is the actual length of the rafter between the plate and the ridge or an intermediate support.

Nominal Size	Spacing C to C	Light Roofing		Heavy Roofing	
Inches	Inches	Ft.	In.	Ft.	In.
2 x 4	12	10	7	9	5
	16	9	2	8	2
	20	8	3	7	4
	24	7	6	6	8
2 x 6	12	16	5	14	8
	16	14	3	12	8
	20	12	9	11	4
	24	11	8	10	4
2 x 8	12	22	0	19	6
	16	19	0	16	11
	20	17	0	15	2
	24	15	6	13	10
2 x 10	12	27	10	24	9
	16	24	1	21	5
	20	21	6	19	2
	24	19	8	17	6

Light Roofing: Material weighing, in place, 5 lbs. or less per square foot.

Heavy Roofing: Material weighing, in place, over 5 lbs. per square foot.

Courtesy Federal Housing Administration

RAIL—A horizontal bar or timber of wood or metal extending from one post or support to another as a guard or barrier in a fence, balustrade, staircase, etc. Also, the cross or horizontal members of the framework of a sash, door, blind or any paneled assembly. See House Cross Section.

RAISED MOULD—An applied moulding which partly covers or which extends above the face or surface of stiles or rails.

RAKE—That part of a cornice which inclines.

RAMMED EARTH CONSTRUCTION—See Construction, Rammed Earth.

RAMP—An inclined plane connecting different levels, usually for passage of persons, animals or vehicles.

REINFORCED CONCRETE—See Concrete, Reinforced.

REINFORCED CONCRETE CONSTRUCTION—See Construction, Reinforced Concrete.

REINFORCING—Steel rods or fabric placed in concrete slabs, beams or columns to increase their strength.

RELATIVE HUMIDITY—The ratio of vapor actually present in air as related to the greatest amount of vapor the air could carry at a given temperature. The warmer air is, the more water vapor or moisture it will carry. When moisture laden air reaches a temperature low enough to force it to drop moisture, that is commonly referred to as the dew point.

RETURN—Continuation in a different direction of a moulding or projection, usually at right angle.

REVEAL—The side of an opening for a window, door, or the like, between the frame and the outer surface of the wall. Where the opening is not filled with a door, window, etc., it usually refers to the entire exposed thickness of the wall.

REVERSED DOOR—A door opening in the opposite direction to that which is considered regular. Room doors that open inward are "regular" and those opening outward are "reversed." Cupboard doors which open outward are "regular."

REVERSIBLE LOCK—A lock in which the latch bolt may be reversed to adapt the lock to a door opening either way.

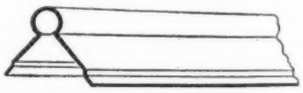
RIBBON OR RIBBAND—A narrow board let into the studding to add support to joists. A ribbon is sometimes called a ledger board. See Figs. 1, 4, 29 of Details for House Framing.

RIBBONS, CONCRETE—Strips of concrete 18 inches to 30 inches wide spaced so automobiles may be driven on them. Usually laid in driveways as garage approaches.

RIDGE—The highest horizontal line along the upper angle of a roof where two inclines meet. See House Cross Section.

RIDGE BOARD, ALSO RIDGEPOLE OR RIDGEPIECE—The highest horizontal member in a roof to which the upper ends of rafters are fastened. In the average house a piece of 1x6 roof board is usually used. The number of lineal feet required is the length of the roof. See Fig. 24 of Details for House Framing. Also House Cross Section.

RIDGE ROLL—A strip of sheet metal, composition roofing, tile or wood to finish and cover a ridge. See Hip Roll.



RIM—A term referring to articles of hardware designed to be applied to the face of doors, windows, etc., in contradistinction to items designed to be mortised in.

RIM LOCK OR LATCH—Designed for application to the surface of the door.

RIPPING SIZE—The width of stock necessary to produce any given finished size, usually 1/4-inch over finished size.

RIPRAP—Stones or other material placed on a slope to prevent erosion by water action.

RISE—With reference to roofs, the perpendicular height of a roof ridge above the wall plates. In stairs, the perpendicular height of a step or flight of steps.

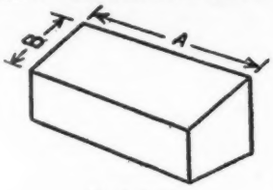
RISER—Also Raiser—The vertical board under the tread in a stairway. See Stair. See House Cross Section.

ROOF BOARDS—The kind of roof boards to be used depends on the kind of shingles to be applied. For wood shingles the roof boards are usually 1x4 or 1x6 spaced 2 inches apart to allow for the circulation of air to prevent the rolling of shingles. To find the amount of roof boards required, determine the area of the roof and deduct 1/5. If asphalt, asbestos or slate shingles are applied, the roof boards should be 1x6 board laid solid or "tight". Add 5% to the roof area to determine the amount of boards required.

ROOF DORMER—See Dormer.

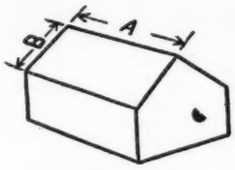
ROOF SHEATHING—The boards nailed to the roof rafters on which the shingle or other roof covering is laid. See Roof Boards.

HOW TO ESTIMATE ROOF AREAS



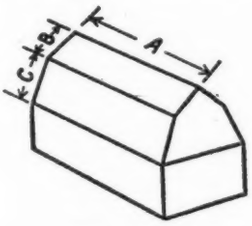
Shed Roofs

Length of roof (A) multiplied by slope of roof (B) gives the total roof area.



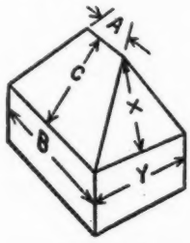
Gable Roofs

Figure one pitch same as for shed roofs—then multiply by two.



Gambrel Roofs

Add length of B and C to determine rafter length. Multiply the sum of these by length of the roof (A). Then multiply by two. The result is the total roof area.



Hip Roofs

Add length of ridge (A) to length of eave (B) and divide by two. Multiply this sum by slope (C). Multiply slope (X) on the triangle side, by length of short eave (Y). Divide the result by two. Add the two answers and multiply by two and the result is the total roof area.

In all cases, to find the number of squares of roof covering needed, divide the total roof area by 100 (square of roofing is 100 square feet). Note: Roll roofing contains 108 square feet per roll which allows 8 square feet for lapping.

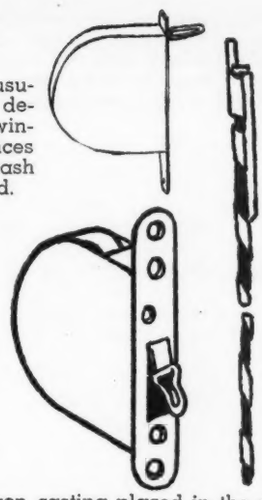
If roll roofing is to be applied, shiplap on 1x6 flooring should be used. For amount of shiplap required, add 1/7 to area of roof. For amount of 6-inch flooring, add 1/5 to area of roof. See Figs. 1, 2, 3, 4 of Details for House Framing. Also House Cross Section.

(Courtesy Asphalt Roofing Industry Bureau.)

ROOF TIES—Collar Beams. Members, boards or planks, fastened to rafters above the plate line, set at regular intervals (usually on 4-foot-0-inch centers) to prevent walls and roof from spreading. See House Cross Section.
ROOM DOOR LOCK—A knob lock for doors that lead from corridors or hallways into rooms. Also Inside Door Lock.
ROSE—A round, square or oblong plate to be fastened to a door, containing a socket for receiving and guiding the shank of a knob.
ROUGH HARDWARE—See Hardware, Rough.
ROUGH SILL—The short plate or header that forms the base of a rough opening for a window in a frame wall. See Figs. 28, 29 of Details for House Framing.
ROW LOCK—The end of a brick showing on the face of a wall in vertical position.
RUBBLE—Rough, irregular stone or brick.
RUBBLE WORK—Walls constructed of rough stones, small and irregular, both in size and shape.
RUN—In reference to roofs, the horizontal distance from the face of a wall to the ridge of the roof. Referring to stairways, the net width of a step; also the horizontal distance covered by a flight of steps.

S

SADDLE—The construction of any portion of a roof or other surface in a manner suggesting or corresponding in position to a saddle. The ridge covering on a roof; also the narrow strip covering floor joints in a doorway.
SASH—A single frame containing one or more lights of glass. See Window Unit.
SASH CENTER—A bearing for a transom light or other sash which turns on a horizontal axis. Usually consists of a pair of plates, one with a pin and the other with a socket.
SASH CHAIN—Metal chain designed for use with sliding sash in place of cord or rope.
SASH CORD—Specially made rope used to connect window sash weights.



SASH BALANCE—A device, usually operated with a spring, designed to counter balance window sash. Use of sash balances eliminates the need for sash weights, pulleys and sash cord.

SASH CORD IRON—A small iron casting placed in the edge of a sliding sash to which is fastened the end of the sash cord or chain.

SASH FAST—A locking device fastened to the meeting rails of sash to prevent their being opened unless released.

SASH LIFT—A bar, plate or hook attached to a window sash to facilitate raising and lowering.

SASH LIFT AND LOCK—A sash lift with a locking lever which engages with a strike in the window frame.
SASH PLATE—Same as Sash Center.
SASH PULLEY—Same as Frame Pulley.
SASH RIBBON—A thin metal band for use with sliding sash in place of cord or chain.
SASH WEIGHTS—Metal counter balances to facilitate raising and lowering window sash and to keep sash in position when raised.
SAPWOOD—The outer layers of growth in a tree, exclusive of bark, which contains living elements, usually lighter in color than heartwood. Under most conditions sapwood is more susceptible to decay than heartwood but is not essentially weaker or stronger than heartwood of the same species.
SCAFFOLDING OR STAGING—A temporary erection of timbers and planks as a platform to be used by men in construction work.
SCANTLING—A term generally applied to any piece of timber under five inches square.
SCARF JOINT—An angled or beveled joint, in lumber, plywood or veneer, in which two pieces are spliced. The scarf or bevel is usually 15 to 20 times the thickness of the pieces to be joined. Scarf joints are usually glued, and when

WEIGHT OF GLAZED SASHES

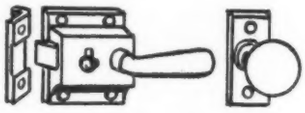
Two Light

Size of Glass Inches	Single Pounds	Double Pounds	Size of Glass Inches	Single Pounds	Double Pounds
20x24	8	10	24x36	14	16
20x26	8½	10	24x38	15	18
20x28	9	11	24x40	16	19
20x30	9½	11½	28x32	14	16
20x32	10	12	28x34	15	18
20x34	11	13	28x36	16	19
20x36	12	14	28x38	17	20
20x38	13	15	28x40	18	21
20x40	14	16	32x36	17	20
24x30	11	12	32x38	18	21
24x32	12	14	32x40	19	23
24x34	13	15			

properly executed are considered about as strong as the adjacent unspliced material. See Joint.

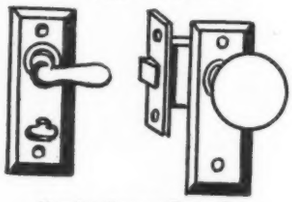
SCRATCH COAT—The first coat of plaster which is scratched to form a bond for the second coat.

SCRIBING—Fitting woodwork to an irregular surface.



Rim Screen Door Set

SCREEN DOOR CATCH—A light knob latch, furnished with a hub, spindle and knobs or lever handles.



Mortise Screen Door Set

SCREEN MOULDING—A small flat moulding used to cover

the staples and edge of screen wire where it is nailed to the wood.

SCREWLESS KNOB—A term referring to a knob which does not depend entirely on the old "side screw" to hold it firmly to the spindle, but instead employs other means to keep the knob secured, even though a side or set screw may be included.

SEASONING—The evaporation or extraction of moisture from green or partially dried wood, either by natural or artificial means. See Air-Dried and Kiln-Dried.

SECOND GROWTH—Timber that has grown after the removal by any means of all or a large portion of the previous stand.

SEPTIC TANK—A receptacle, usually underground, to which sewage is drained and retained to effect disintegration of the organic matter by bacteria.

SEWER PIPE—A pipe or conduit to carry off water and waste. Usually made of cast iron or clay. See Soil Stack.

SHAKE—A handsplit shingle or imitation thereof. Wood shakes are split along the grain, most of the break being between the rings of annual growth.

SHAKE—A separation along the grain in wood, most of which occurs between the rings of annual growth.

SHEATHING—The first layer of exterior wall covering, nailed to the studding. Roof boards are also sometimes referred to as sheathing. Sheathing may be square-edged, shiplapped or tongue and groove boards, nominally one inch thick and from 6 to 12 inches wide. Plywood is also used as sheathing. Wood board sheathing is usually 1x8 or 1x10 shiplap. It may be applied horizontally although diagonally applied sheathing is stronger. Eight-inch boards should have two nails in each board at each stud and ten-inch boards should have three nails at each stud. 8d common nails are usually used. Also see Insulating Board Sheathing.

SHEATHING PAPER—See Building Paper.

SHINGLES—Roof covering of asphalt, asbestos, wood, tile, slate or other material cut to stock lengths, widths and thicknesses.

SHINGLES, SIDING—Various kinds of shingles, some especially designed, which can be used as the exterior sidewall covering for a structure.

SHIPLAP—See Lumber, Shiplap.

SHOE—A small moulding, on the order of quarter round, nailed next to the floor on base boards. See Base Shoe.

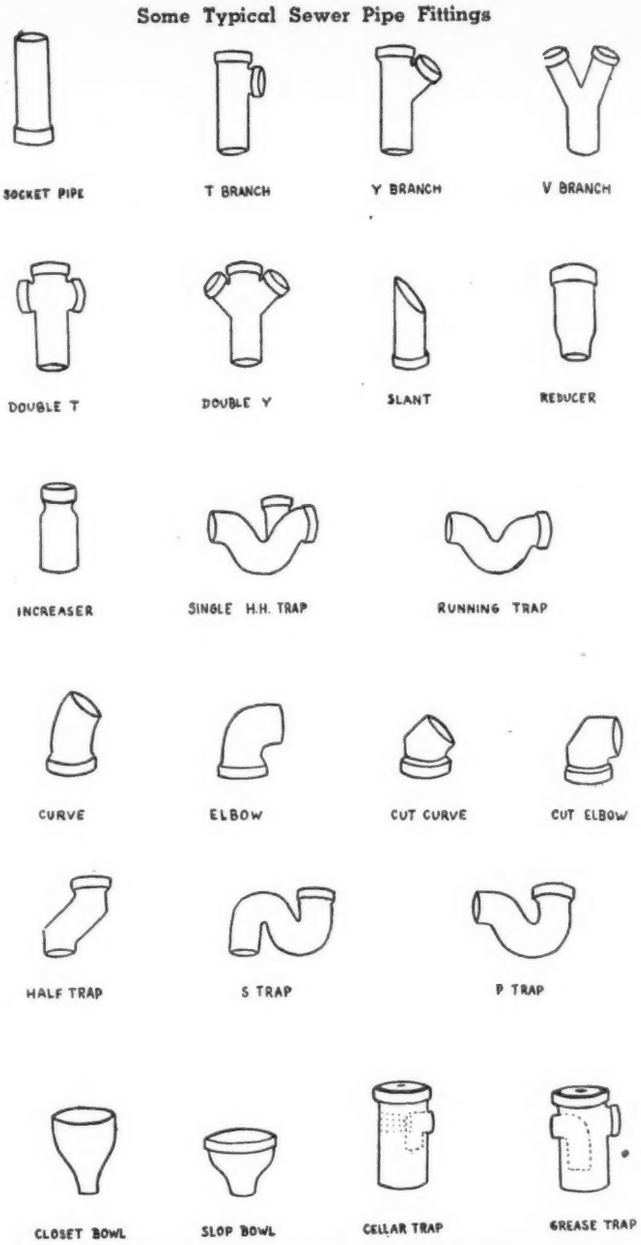
SHORING—Supports applied to strengthen or prop a wall or structure.

SIDING, DROP—Usually 3/4 inch thick and 6 inches wide, machined into various patterns. Drop siding has tongue and groove joints, is heavier, has more structural strength and, because of its design, has tighter joints than bevel

Drop Siding (Shiplapped)

siding, so is frequently used on buildings that require no sheathing such as garages and barns.

Some Typical Sewer Pipe Fittings



SHUTTER BUTT—A small hinge, usually narrow, for use on light doors or shutters.

SHUTTERS—See Blinds.

SIDING—The finish covering of the outside wall of a frame building, whether made of weatherboards, vertical boards with battens, shingles or other material. See House Cross Section.

SIDING, BEVEL—See Bevel Siding.

SIDING, FLUSH—Tongue and groove boards laid flush on sidewalls.

SIDING, LOG CABIN—Thick siding machined to give the appearance of logs when applied. Used principally on summer cottages.

SIDING, RUSTIC—Similar to drop siding, with shiplap joints.

SIDING, VERTICAL—Matched boards 10 and 12 inches wide or of random widths, the joints of which may be V-cut or covered with battens.

SKELETON CONSTRUCTION—See Construction, Skeleton.

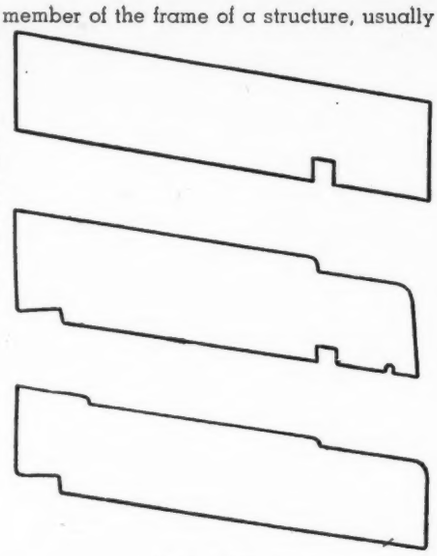
SKIRTING—The horizontal belt of trim and finish located immediately above the foundation.

SLAKING—The act of hydrating quicklime into a putty by the addition of water.

SLEEPER—A piece of timber laid on the ground or a strip bedded in concrete to which flooring may be secured.

SLIDING DOOR LOCK—For use on a sliding door with hook-shaped bolts to fit the strike.

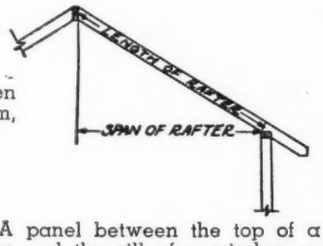
SILL—The lowest member of the frame of a structure, usually horizontal, resting on the foundation and supporting the uprights of the frame. See Details for House Framing. Also the member forming the lower side of an opening, such as a door sill, window sill, etc.



Window Sills

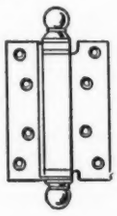
SLIP NEWEL—A three-sided newel which fits on the free end of a partition.
SOFFIT—The underside of the members of a building, such as staircases, cornices, beams, arches, etc., relatively minor in size as compared with ceilings.
SOFTWOOD—The group of trees which have needle-like or scale-like leaves, often referred to as conifers. The term softwood has no reference to the softness of the wood.
SOIL STACK—In a plumbing system, the principal vertical pipe that receives and carries waste from all fixtures.
SOLDIER—The side or face of a brick showing on the face of a wall in vertical position.
SOLDIER COURSE—A course of bricks placed vertically with edges exposed.
SOLID MOULD—A moulding which is worked on the article itself. Also Solid Stuck.
SOLE OR SOLE PLATE—A horizontal member, usually a 2x4, on which wall and partition studs rest. Opposite the Plate or Top Plate. See Fig. 26, 28 of Details for House Framing.

SPAN—The distance between the supports of a rafter beam, girder, arch, truss, etc.



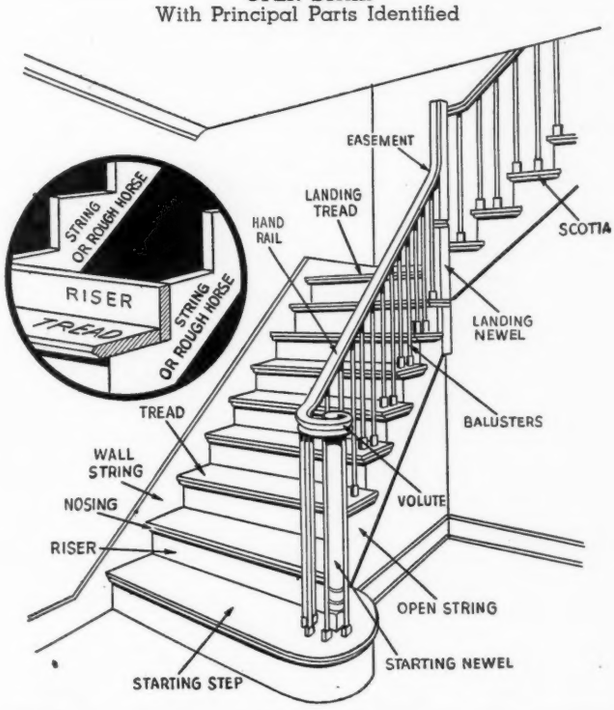
SPANDREL OR SPANDRIL—A panel between the top of a window or door at one story and the sill of a window or door at the story above. Also, the space contained between the line of the inner surface of an arch and a line projected horizontally through the highest portion of the arch.
SPECIFIC GRAVITY—The ratio of the weight of a body to the weight of an equal volume of water at some standard temperature.
SPECIFICATION—A written document stipulating the kind, quality, and sometimes the quantity of materials and workmanship required for any construction work. See Copy of House Specifications.
SPINDLE—In a door lock, the shaft, usually square, to which the knobs are fastened to connect their motion to the latch mechanism.
SPLASH BLOCK—A small masonry block laid with the top close to the ground surface to receive roof drainage and carry it away from the building.
SPLAYED—The jamb of a door or anything else of which one side makes an oblique angle with the other.

SPRING HINGE—A butt or hinge with one or more springs designed to keep the door in closed position.



SQUARE—A unit of measure in building—100 square feet of surface. Roof coverings and many sidewall coverings are packaged to cover 100 square feet and are sold on that basis.
STACK PARTITION—A partition which carries the stack or soil pipe, sometimes constructed with 2x6 or 2x8 studs, and continuous from first floor to attic floor lines.
STAGING—A structure of posts and boards for supporting workmen and material during construction.
STAIR, STAIRS OR STAIRWAY—A series of steps, with or without landings, or platforms, usually between two or more floors of a building. See Fig. 30 of Details for House Design.
STAIR FLIGHT—A run of stairs or steps between landings.
STAIR LANDING—A platform between flights of stairs or at the termination of a flight of stairs.
STAIR RISE—The vertical distance from the top of one stair tread to the top of the one next above.

OPEN STAIR
With Principal Parts Identified



STAIRWAY, ENCLOSED—A stairway enclosed by and separated from hallways and living units by means of walls or partitions and made accessible to such hallways or living units by means of a door or doors.
STAIRWAY, INTERIOR—A stairway within the exterior walls of a building.
STAIRWAY, OPEN—A stairway, the floor landings of which are a part of the hallways.
STAIR CARRIAGE—A stringer for steps on stairs. See House Cross Section.
STAIR RISERS—See Risers.
STAIRWELL—The space reaching from one floor of a building to another in which the stairs are erected. Also called a well hole.

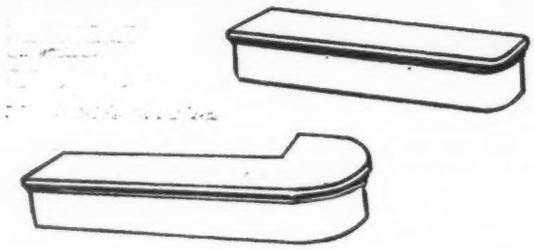
RULE FOR FIGURING STAIR RISES AND RUNS

Figure the rise as close to 7 inches as possible, not over 7½ inches if it can be avoided. The run (that is the cut in the stringer) should be between 9 and 10 inches. Head room should be as close as possible to 6 feet 6 inches.

For basement stairs the rise can be up to 8 inches, the run about 8 inches, on an open plank stair without risers. Head room in the basement should be at least 6 feet.

To figure risers and runs: Take the story height and divide by 7 to get the number of risers. Establish the closest rise to 7 inches consistent with overall height, then scribe the number of risers desired on a story pole (the height finish floor to finish floor). The story pole must be straight—any piece of finish 1x2 or similar. After the above has been done the rise and run can be laid out on the rough horse of stringer by steel square. There is always one less tread than risers. By using this method platforms or landings will be more accurately placed than if figured mathematically.

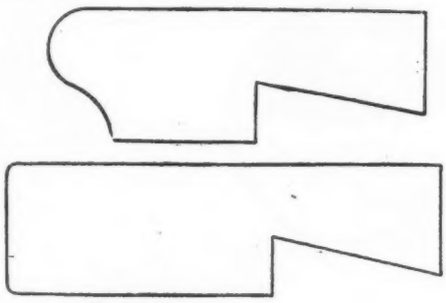
STAIR TREADS—See Treads.



Starting Steps

STEEL FRAME CONSTRUCTION—See Construction, Steel Frame.
STEPPED RAMP—A series of steps connected by ramps, on a slope. Same as ramped steps.
STICKING—The moulded edge machined on the rails of a door around the panels or lights.
STILE—The upright or vertical outside member of a sash, door or blind. See Window Unit, Door Unit.
STIRRUP—Same as Joist Hanger.

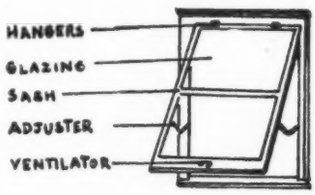
STOOL — The flat, narrow shelf, forming the top member of the interior trim at the bottom of a window. See Window Unit.



Window Stools

STOOP—A small porch, veranda, or platform, or a stairway, outside an entrance to a building.
STOP SCREW—Used for fastening the stop bead for a window to the frame.
STORE DOOR HANDLE—A handle, usually mounted on a plate, along with a thumb lever for operating a latch bolt, designed for application to the surface of a door.

STORM SASH OR STORM WINDOW—An extra window usually placed on the outside of an existing window as additional protection against cold weather.



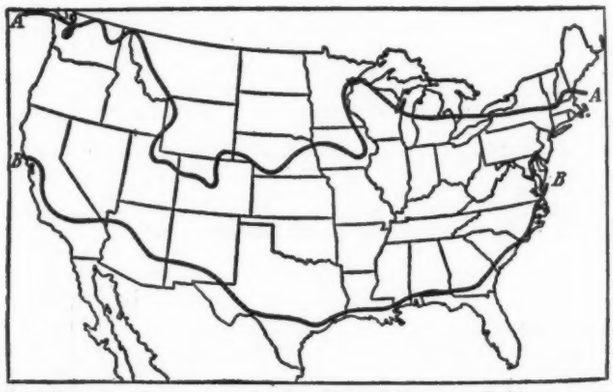
STORE DOOR LATCH—A latch with a spring bolt only, usually operated with thumb levers.
STORE DOOR LOCK—A lock, of heavy construction, with a dead bolt only, designed for key operation from both sides of the door.
STORY—That part of a building between any floor and the floor or roof next above.
STORY, ATTIC—That part of a building situated wholly or partly within the roof frame, or between the top story ceiling and the roof, usable for storage but not finished for habitation. See House Cross Section.
STORY, FIRST—A story, the floor of which is nearest the sidewalk or adjoining grade at the main entrance; other stories are numbered in regular succession, counting upward.
STORY, HALF—In a house, that part of the structure situated wholly or partly within the roof frame finished for habitation.
STRAP HINGE—A hinge, with one or both of the plates longer than butt hinge plates, designed for fastening to the surface of a door.

STRETCHER—A brick, stone, or other unit of masonry laid lengthwise in a wall.
STRIKE—A metal piece, fastened to the door frame, which engages the bolt or a lock to secure the door. Same as striker, striking plate and keeper.

STRINGER—A timber or other support for cross members. In stairs, the support on which the stair treads rest; also string board. See Fig. 30 of Details for House Framing.
STRIP, HOOK—See Hook Strip.
STRUCTURAL LUMBER—Lumber that is 2 or more inches thick and 4 or more inches wide, intended for use where working stresses are required. The grading of structural lumber is based on the strength of the piece and the use of the entire piece.
STRUT—Also Strutting Piece. Any structural member that keeps two other pieces apart, in contradistinction to a tie, which keeps two pieces together.
STUCCO—Most commonly refers to an outside plaster made with portland cement as its base. In some regions the trade refers to gauging plaster as stucco.
STUD OR STUDDING—One of a series of slender wood or metal structural members placed as supporting elements in walls and partitions. They are usually 2x4 inches in size. See Figs. 1, 2, 3, 25, 26 of Details for House Framing. Also House Cross Section.
SUB-FLOOR—Matched lumber or boards laid on joists over which a finish floor is to be laid. 1x6 D & M is commonly used in home construction. To find the amount required, determine the area to be covered and add 20% if laid diagonally. See Figs. 20, 26 of Details for House Framing. Also House Cross Section.
SUBSTRUCTURES—See Arch Centers.
SURFACE—In lumber, to make plane and smooth.
SURFACE HINGE—Same as Strap Hinge.
SURFACE SASH CENTER—Designed for application to the surface of a sash.

T

TAILPIECE—A relatively short beam, joist or rafter supported in a wall on one end and by a header on the other.
TRIMMER—A double or triple joist or other member as part of the frame for an opening, usually supporting a header.
TRIMMER, TAIL—The trimmer nearest to the wall into which joist ends are secured.
TEMPLET OR TEMPLATE—A pattern or mold used by tradesmen as a guide in shaping intricate or exacting portions of a structure or object.
TENON—That portion of the end of a board, plank or timber which is reduced in thickness so that it may be inserted in a corresponding slot, called a mortise, cut into another piece of board, plank or timber to form a joint. See Joint.
TENON, THROUGH—A joint made with tenons on the end of the rails mortised or tenoned through and showing on the outside of the stile.
TERMITES—Superficially resemble ants in size, general appearance and habit of living in colonies, hence are frequently called "white ants." Subterranean termites do not establish themselves in buildings by being carried in with lumber but by entering from ground nests after the building has been constructed. If unmolested, they eat out the wood work, leaving a shell of sound wood to conceal their activities and damage may proceed so far as to cause collapse of portions of a structure before discovery. There are about 56 species of termites known in the United States but the two major species, classified from the manner in which they attack wood, are: Ground-inhabiting or subterranean termites, the most common and, dry-wood termites, found almost exclusively along the extreme southern border and the Gulf of Mexico in the U. S.

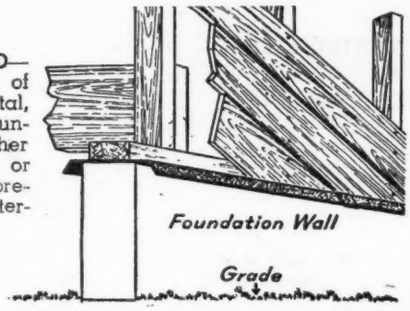


Distribution of termites in the United States. Subterranean termites are found south of the line from A to A; dry-wood termites south of the line from B to B.

Courtesy U. S. Forest Products Laboratory, U. S. D. A.

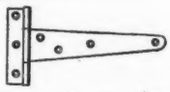
TENSILE STRENGTH—The power to resist stretching before breaking.

TERMITE SHIELD—A shield, usually of non-corrodible metal, placed in or on a foundation wall or other mass of masonry or around pipes to prevent passage of termites.



THERMOSTAT—An instrument, electrically operated, that controls automatically the operation of heating or cooling devices by responding to changes in temperature.

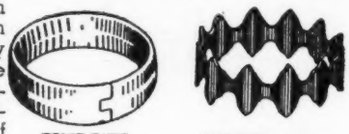
T-HINGE—A strap hinge with the largest dimension of one plate vertical and the other horizontal.



THREAD ESCUTCHEON—A small key plate made in the shape of an outline of the keyhole.
THREE-PLY BUTT—Same as Pocket Butt.

THRESHOLD—A strip of wood or metal beveled on each edge used above the finish floor under outside doors.

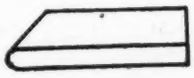
THUMB LATCH—A simple door fastening device consisting of two transverse pivoted bars, one of which crosses the junction of the door with the frame and engages with a strike on the frame; the other bar, running through the door, is operated on one side with the thumb and on the other by fingers to raise or lower the bar which engages the strike.
TIMBER CONNECTORS—Rings and dowels of metal or wood in adjoining members, placed in pre-cut grooves or holes in timber framing, with the timber members then drawn and held tightly together by bolts. These devices provide an efficient means of transferring load at the joints of structural members.



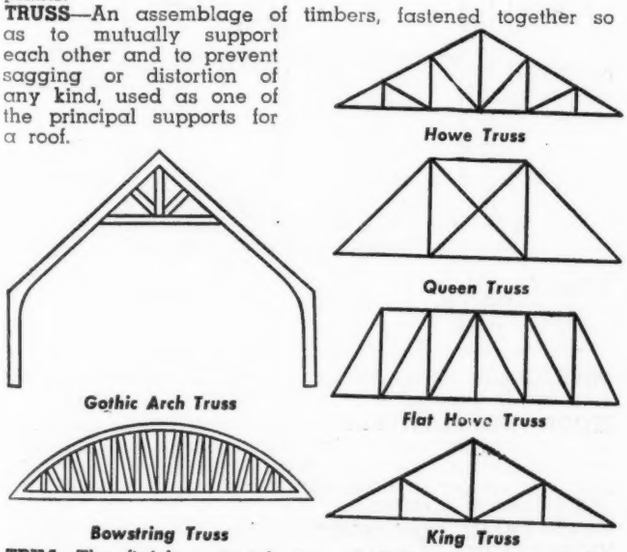
SPLIT-RING TOOTHED-RING

TONGUE AND GROOVE—See Dressed and Matched.
TRANSOM—A small sash above a door, window or other sash.
TRANSOM BAR—The horizontal division between a door, window or sash and the transom.

TREAD—The horizontal board in a stairway on which the foot is placed.



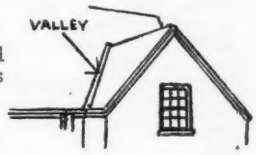
TRELLIS—A lattice built as a support for vines or climbing plants.
TRUSS—An assemblage of timbers, fastened together so as to mutually support each other and to prevent sagging or distortion of any kind, used as one of the principal supports for a roof.



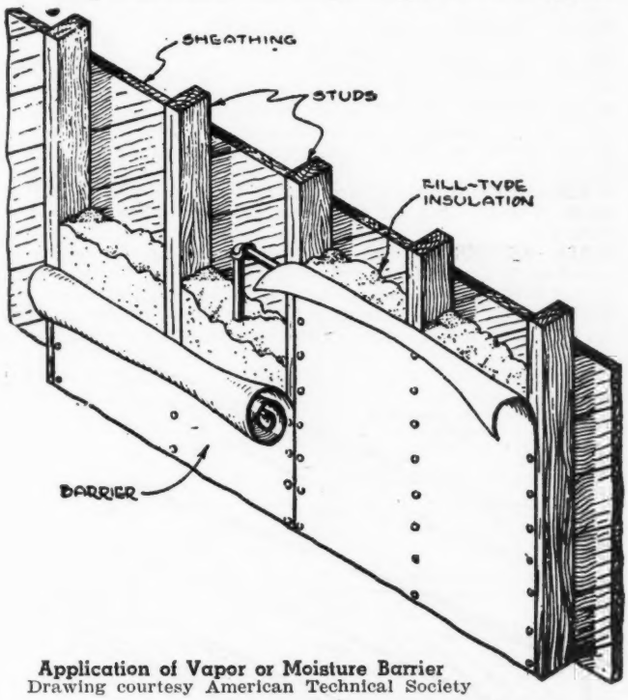
TRIM—The finish materials in a building, such as mouldings, applied around openings—window trim, door trim—or at the floor and ceiling of rooms—baseboard, cornice, picture moulding.
TUBULAR LOCK—A rim lock with a fixed tube, containing the tumblers, attached to the lock case.
TURNBUCKLE—A loop or a sleeve with right hand threads at one end and left hand threads at the other for tightening or pulling rods together. Also made with threads at one end and a swivel at the other.
TWIST—A form of warp resulting in distortion caused by the turning or winding of the edges of a board.

V

VALLEY—The internal angle formed by the junction of two sloping sides of a roof.



VALLEY FLASHING—See Flashing.
VAPOR BARRIER—Material used to retard the flow of vapor or moisture into walls and thus prevent condensation within them. There are two types of vapor barriers—the membrane which comes in rolls and is applied as a unit in the wall or ceiling construction, and the paint-type, which is applied with a brush. The vapor barrier must be a part of the warm side of the wall. Roll roofings and building papers, as a rule, are not vapor proof.



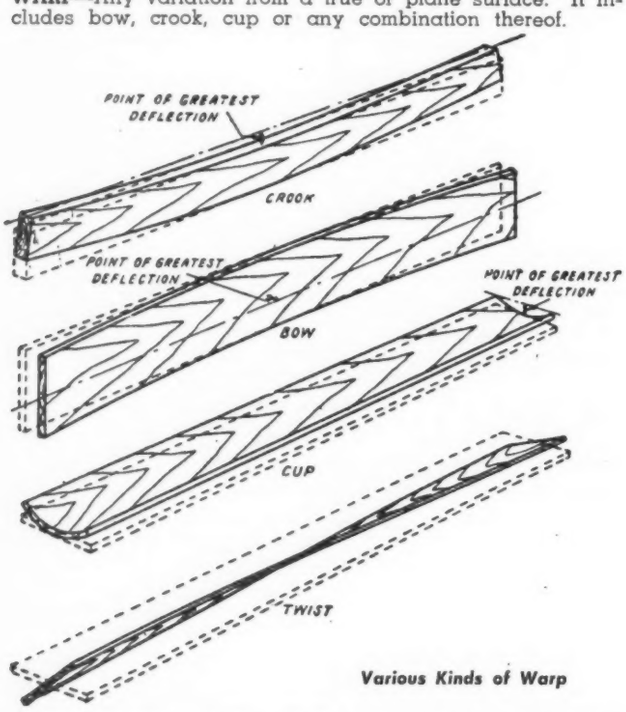
Application of Vapor or Moisture Barrier
Drawing courtesy American Technical Society

VENEER—Thin sheets of wood, less than 1/4" in thickness.
VENEERED WALL—See Wall, Veneered.
VENT—A minor opening to permit passage of air through any space in a building, such as the attic or the unexcavated area under a first-floor construction.
VENT PIPE—A pipe connected to the soil stack, permitting air passage to prevent siphonage or back pressure at plumbing fixtures.
VERANDA—See Porch.
VERGE BOARD—A board in a gable end just under the ridge, sometimes paneled or moulded. See Barge Board.
VERMICULITE—A mineral closely related to mica, with the faculty of expanding on heating to form light weight material with insulation quality. Used as bulk insulation and also as aggregate in insulating and acoustical plaster and in insulating concrete floors.
VERTICAL BAR—In a window: Same as muntin, only refers specifically to the vertical bars.

W

WAINSCOT OR WAINSCOTING—The facing material applied to the lower part of an interior wall contrasting with that of the upper part. See House Cross Section.
WALL, BEARING—A wall which supports any vertical load in addition to its own weight.

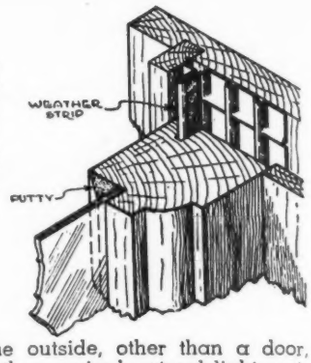
WALLBOARD—Wood pulp, gypsum, or other materials made into large, rigid sheets that may be fastened to the frame of a building to provide a surface finish.
WALL, CURTAIN—A nonbearing wall between columns or piers which is not supported by girders or beams.
WALL, DRY—A wall constructed of material which is put in place without the use of plaster.
WALL, FACED—A masonry wall faced on one or both sides with a material different from the body of the wall, in which the facing and the body are bonded so they will act as a unit under loads.
WALL, FIRE—A masonry wall which subdivides a building to restrict the spread of fire. It starts at the foundation and extends continuously through all stories to and above the roof.
WALL, FIRE-DIVISION—A wall which subdivides a building to restrict the spread of fire, but is not necessarily continuous through all stories nor extended through the roof.
WALL, FOUNDATION—Any bearing wall or pier below the first-floor construction.
WALL, NONBEARING—A wall which supports no vertical load other than its own weight.
WALL PANEL—A nonbearing wall in skeleton construction built between columns or piers and wholly supported at each story.
WALL, PARAPET—That part of an exterior, party or fire wall extending above the roof line.
WALL PARTITION—A partition built through a wall about which the stair turns.
WALL, PARTY—A wall used jointly by two parties under easement agreement and erected at or upon a line separating two parcels of land that may be held under different ownership.
WALL, RETAINING—A wall built to support a bank of earth; a wall subjected to lateral pressure other than wind pressure.
WALL, VENEER—A wall with a masonry facing, which is attached to but not bonded so as to form an integral part of the wall for purposes of load bearing and stability.
WARP—Any variation from a true or plane surface. It includes bow, crook, cup or any combination thereof.



Various Kinds of Warp

WATER TABLE—A ledge or offset on or above a foundation wall, formed to shed water.
WEATHERING—The mechanical and chemical disintegration and discoloration of the surface of wood that is caused by exposure to light, and by the alternate shrinking and swelling of the surface fibers with continual changes in moisture content due to weather changes. Weathering does not include decay.
WEEPHOLE—A small hole, as in a retaining wall, to drain water to the outside.
WELL—In a building, an open, unoccupied area bounded on all sides by the walls of a building passing through at least one floor, commonly used to supply light and air for stairways and minor interior spaces.

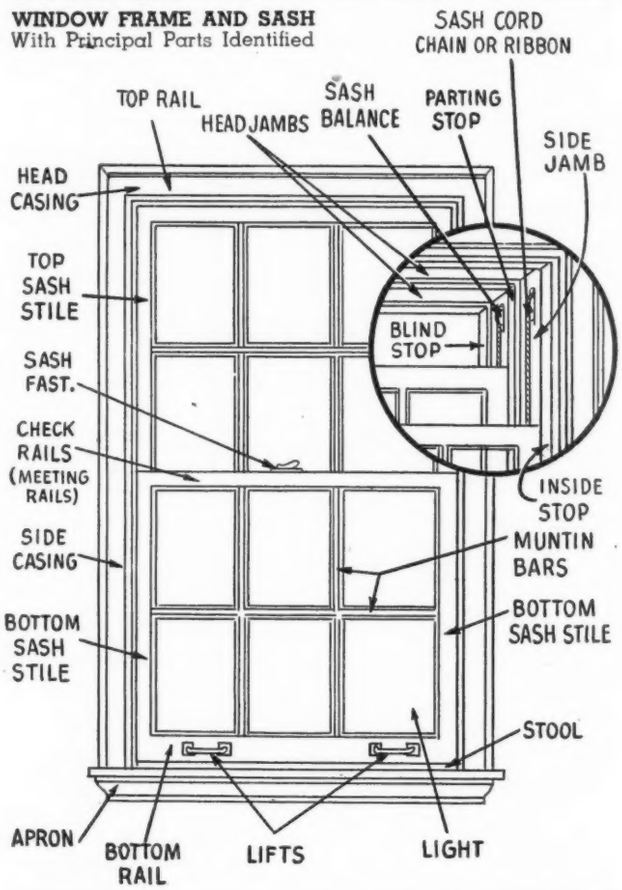
WEATHERSTRIP—Narrow strips made of metal, or other material, so designed that when installed at doors or windows it will retard the passage of air, moisture or dust around the door or window sash.



One Type of Window Weatherstrip

WINDOW—An opening to the outside, other than a door, which provides all or part of the required natural light, natural ventilation, or both, to an interior space.
WINDOW, BAY—See Bay Window.
WINDOW, DORMER—See Dormer Window.
WINDOW, FIRE—A window, that with its frame, sash, and glazing is designed to restrict the spread of fire.
WINDOW, ORIEL—A window or group of windows that projects from the main line of an enclosing wall of a building, and carried on brackets, corbels, or a cantilever.
WINDOW PULL—Same as Sash Pull.
WINDOW SPRING BOLT—A bolt with a spring used to hold sliding window sash in position when open or closed. For use with unbalanced sash.

WINDOW FRAME AND SASH
With Principal Parts Identified



WIRE GLASS—Glass having a layer of meshed wire incorporated approximately in the center of the sheet.
WOOD FIBER PLASTER—Plaster formulated to be used neat or with one part sand. Contains shredded wood fiber instead of hair or sisal fiber. Advantages include easier application, greater strength, ease of cutting for remodel work and greater fiber resistance.
WOOD FRAME CONSTRUCTION—See Construction, Frame.
WORKABILITY—Of lumber, the degree of ease and smoothness of cut obtainable with hand or machine tools. Also applies to other materials.

STANDARD DETAILS FOR HOUSE FRAMING

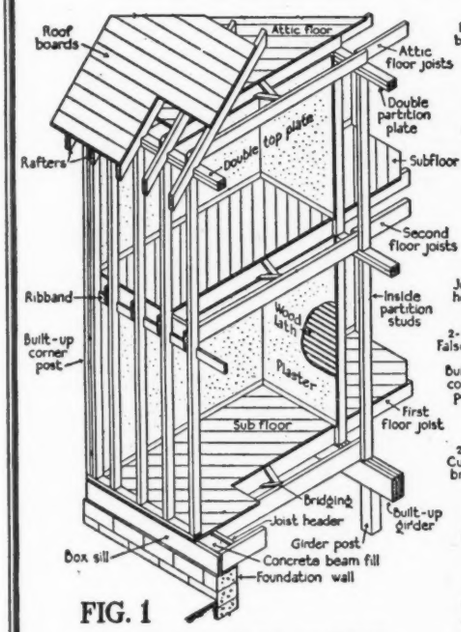


FIG. 1

THE BALLOON FRAME

This type of frame has many things to recommend it. The one piece studs, extending the full height of the wall and tied together by the ribband at the second floor line reduce to a minimum the shrinkage factor. It is strong and rigid but requires careful fire stopping.

This frame is more efficient when the interior studding is set directly on top of girders or bearing partitions.

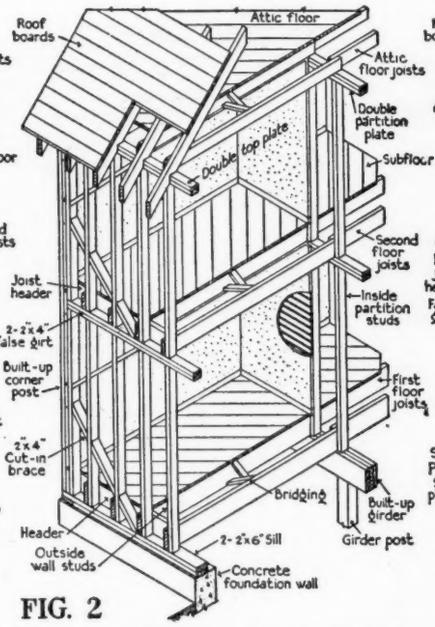


FIG. 2

THE MODERN BRACED FRAME

This type of frame is an outgrowth of New England solid timber post and girth construction. Built-up members are used today very largely and with equal satisfaction. Instead of heavy posts set eight or ten feet apart, walls are built with 2x4 in. studs set 16 in. on centers. The second floor is carried on a double 2x4 in girt. Diagonal bracing is inserted at the corners. This type has several commendable features. It is simple to build and has good provision for fire stopping both at sill and second floor line. 2x4 in. cut-in bracing, as illustrated, may also be used with other types.

THE FRAME provides the network to which the other materials are fastened and the strength and rigidity required to support the loads put upon it and preserve the materials with which it is built. Three distinct types of frames are shown by Figs. 1, 2 and 3. Numerous combinations of these types are frequently employed.

BALANCED SHRINKAGE

The total thickness of horizontal lumber in the framing of outside and inside walls on each floor should be equalized as nearly as possible to eliminate uneven shrinkage.

FIRE STOPPING

Fire safety in a dwelling is increased by preventing the circulation of air in the walls between floors or between rooms. An effective method is shown in the drawing to the right. (Fig. 5)

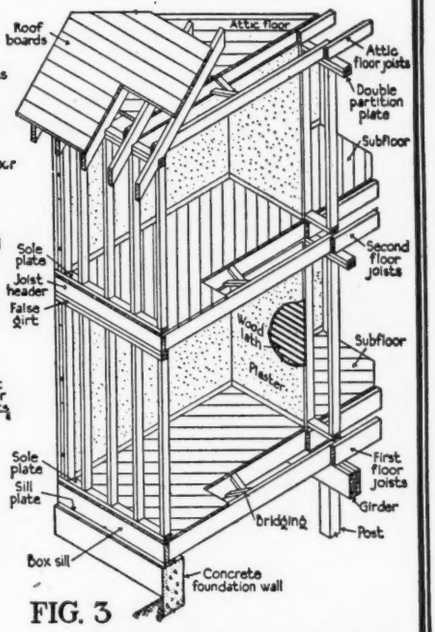


FIG. 3

THE PLATFORM FRAME

The Platform Frame is extensively used. It is similar in principle to Braced Frame but has boxed sill construction at each floor line. This makes for greater shrinkage but it is equalized on each floor when a similar type of construction is used under bearing partitions.

This frame is more efficient when the interior studding is set directly on top of girders or bearing partitions.

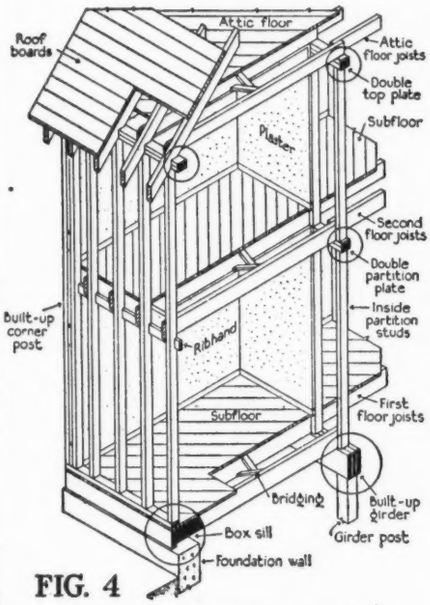


FIG. 4

DETAIL OF METHOD FOR SECURING BALANCED SHRINKAGE

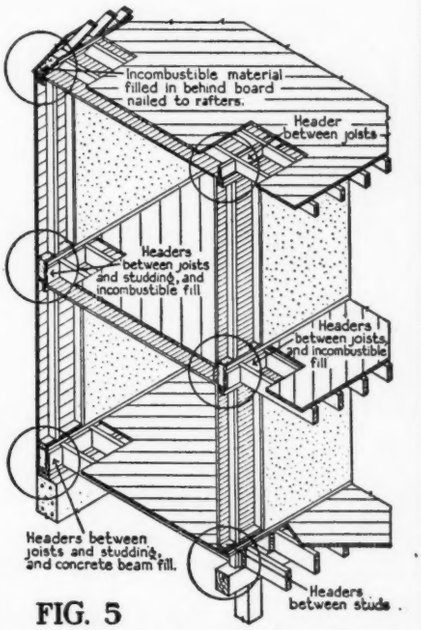


FIG. 5

FRAMING FOR FIRE STOPPING

Courtesy Weyerhaeuser Sales Co.

STANDARD DETAILS FOR HOUSE FRAMING

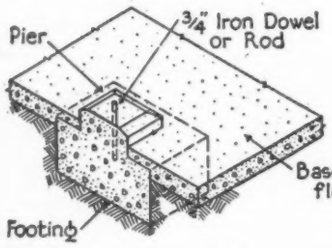


FIG. 6 FOOTING FOR COLUMN

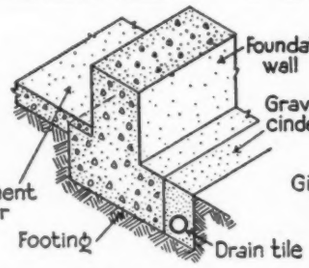


FIG. 7 FOOTING FOR FOUNDATION WALL

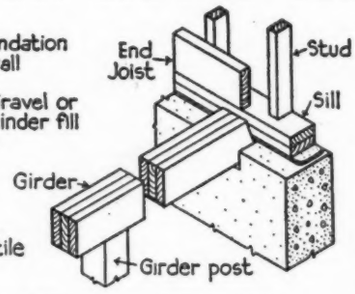
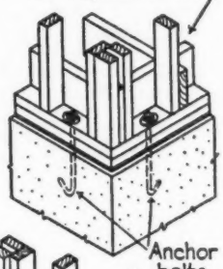


FIG. 8 BUILT-UP GIRDER-END SET IN CONCRETE WALL



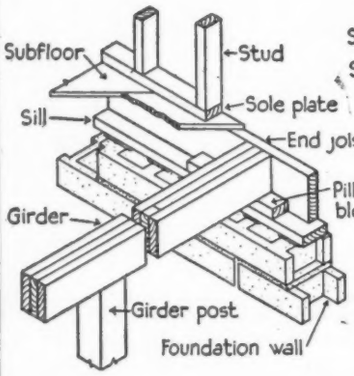


FIG. 9 BUILT-UP GIRDER END SET ON SILL PLATE

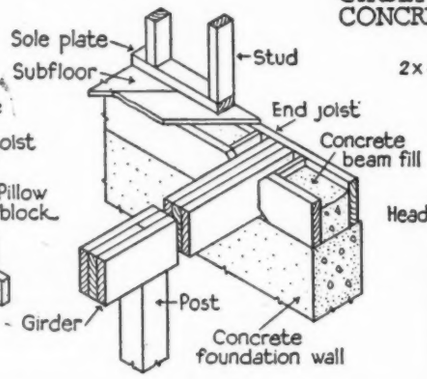


FIG. 10 BUILT-UP GIRDER END SET ON CONCRETE WALL

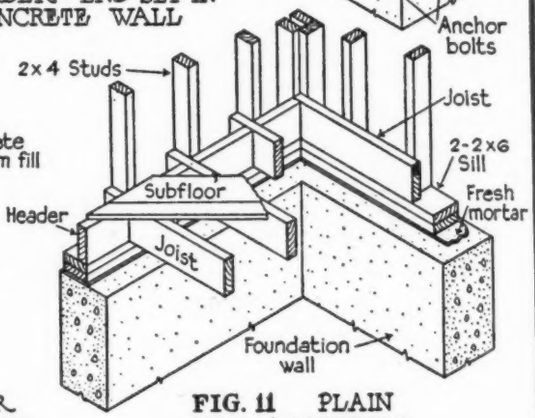


FIG. 11 PLAIN SILL ASSEMBLY

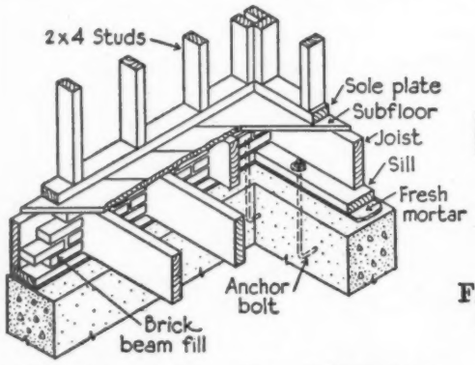


FIG. 12 BOX SILL ASSEMBLY WITH SILL PLATE

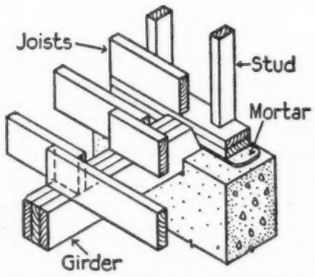


FIG. 14 FRAMING JOIST ON TOP OF GIRDER

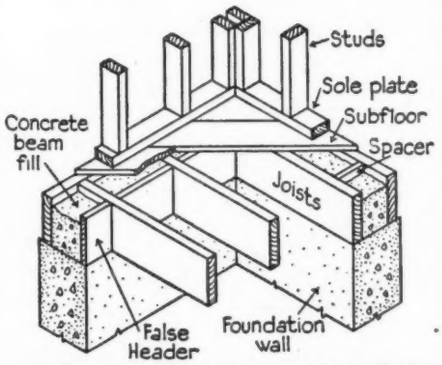


FIG. 13 BOX SILL ASSEMBLY WITHOUT SILL PLATE

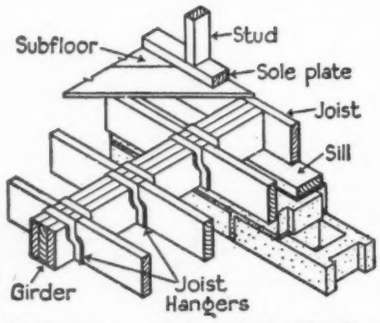


FIG. 15 FRAMING JOIST LEVEL WITH TOP OF GIRDER

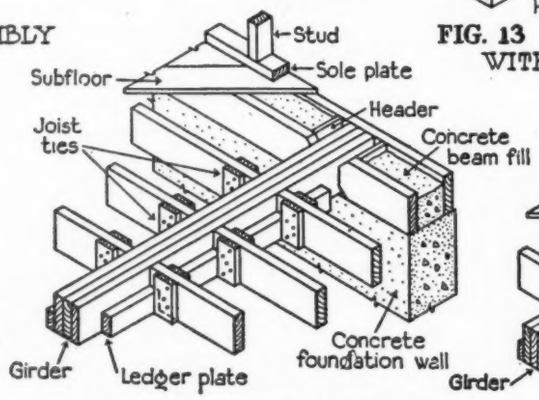


FIG. 16 FRAMING JOIST NOTCHED OVER LEDGER STRIP

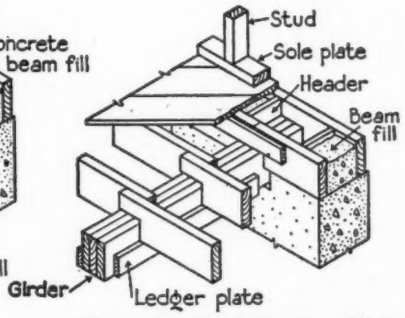


FIG 17 FRAMING JOIST NOTCHED OVER GIRDER

Courtesy Weyerhaeuser Sales Co.

STANDARD DETAILS FOR HOUSE FRAMING

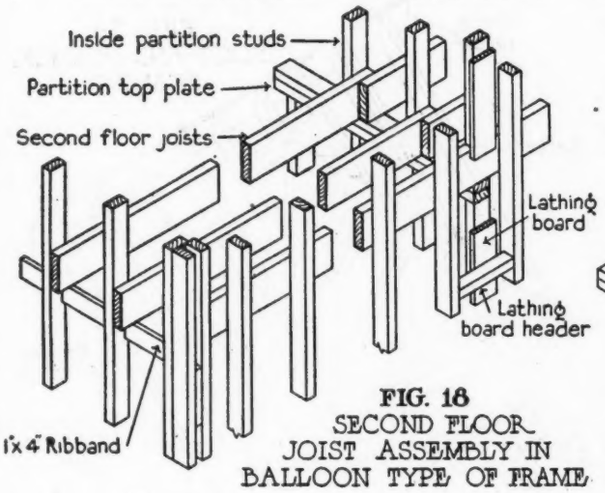


FIG. 18
SECOND FLOOR JOIST ASSEMBLY IN BALLOON TYPE OF FRAME

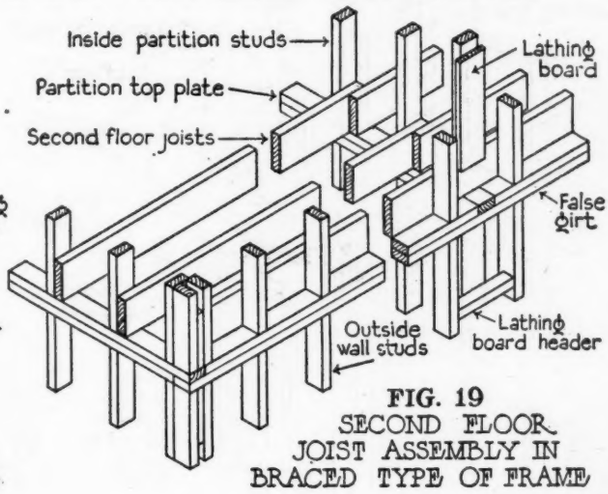


FIG. 19
SECOND FLOOR JOIST ASSEMBLY IN BRACED TYPE OF FRAME

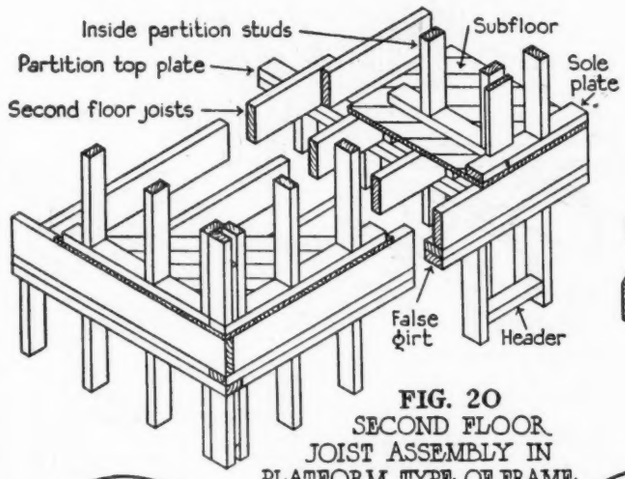


FIG. 20
SECOND FLOOR JOIST ASSEMBLY IN PLATFORM TYPE OF FRAME

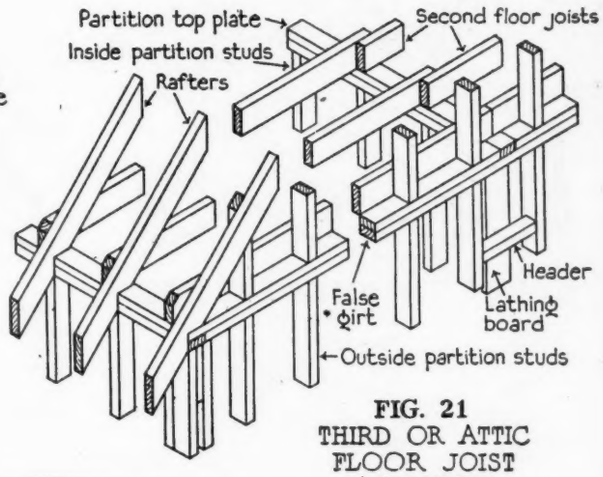


FIG. 21
THIRD OR ATTIC FLOOR JOIST ASSEMBLY

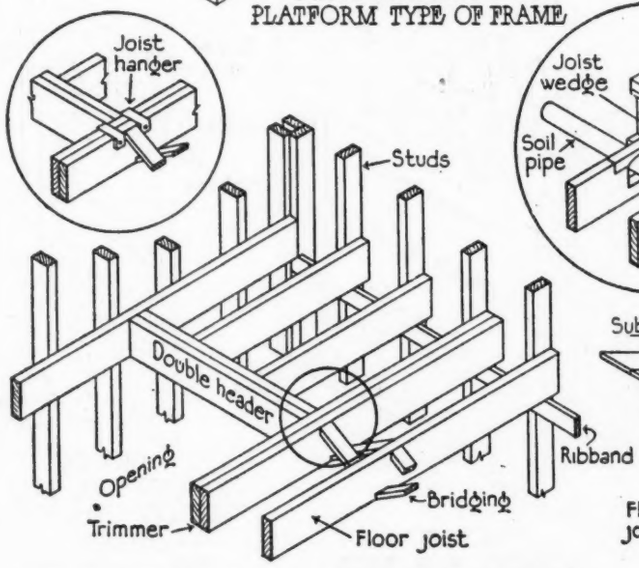


FIG. 22 FRAMING AROUND FLOOR OPENING

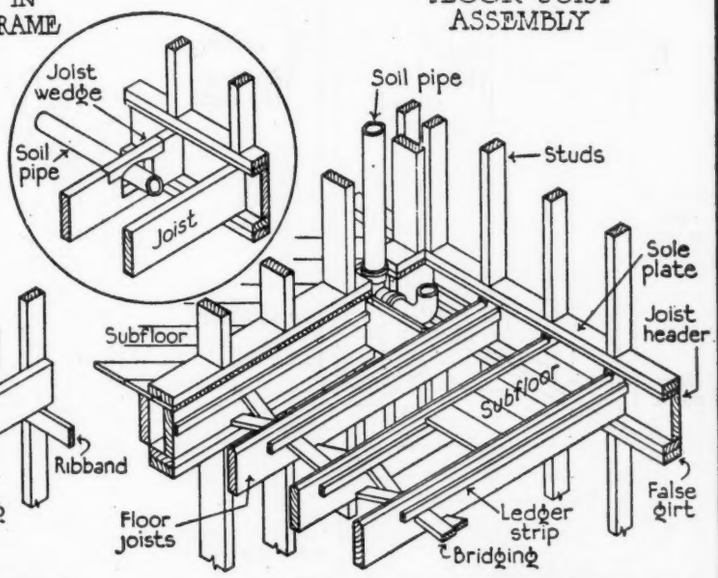


FIG. 23 FRAMING JOIST UNDER BATHROOM

Courtesy Weyerhaeuser Sales Co.

STANDARD DETAILS FOR HOUSE FRAMING

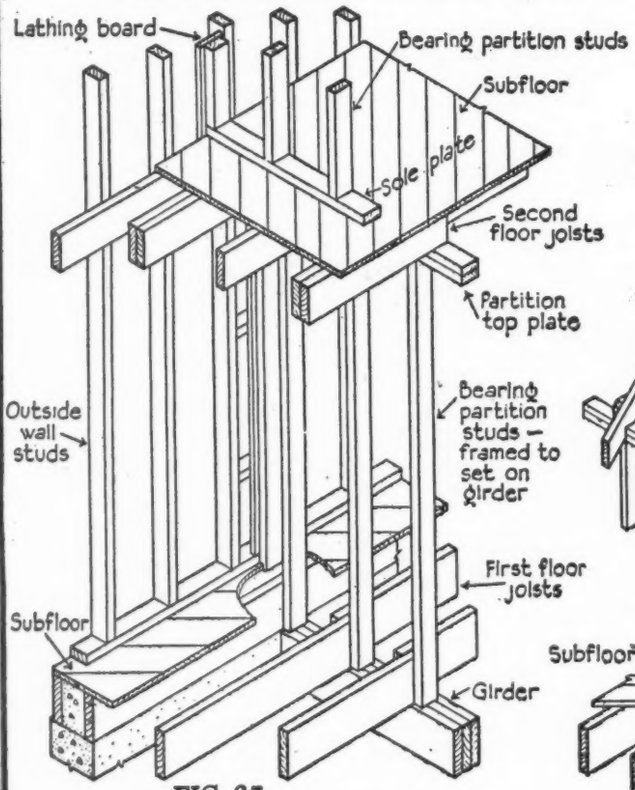


FIG. 25
FRAMING FOR BEARING PARTITION

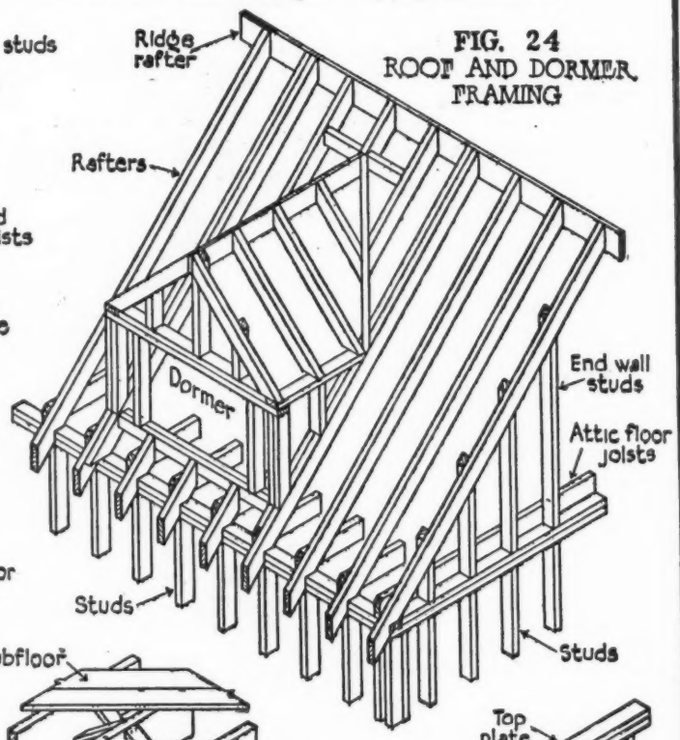


FIG. 24
ROOF AND DORMER FRAMING

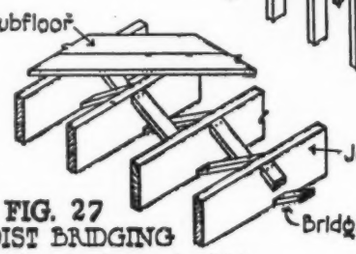


FIG. 27
JOIST BRIDGING
Note: Bridging should be nailed at top only until after subflooring is laid.

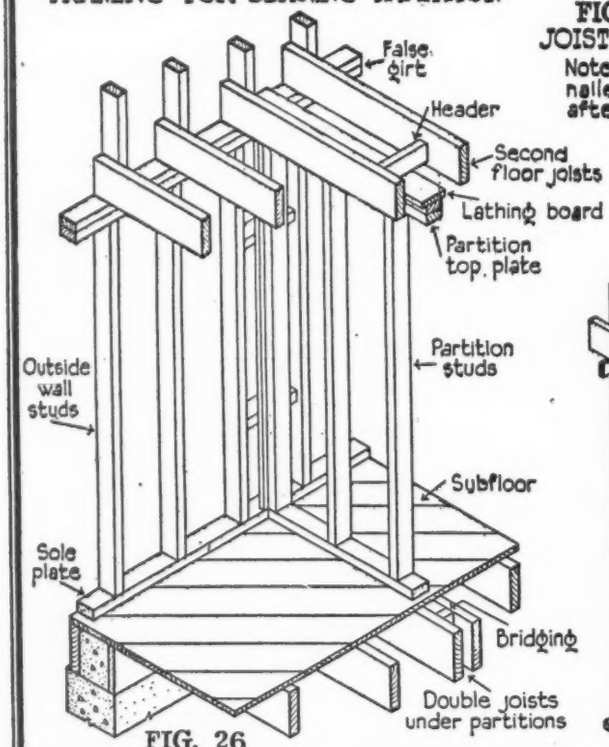


FIG. 26
FRAMING FOR NON-BEARING PARTITION

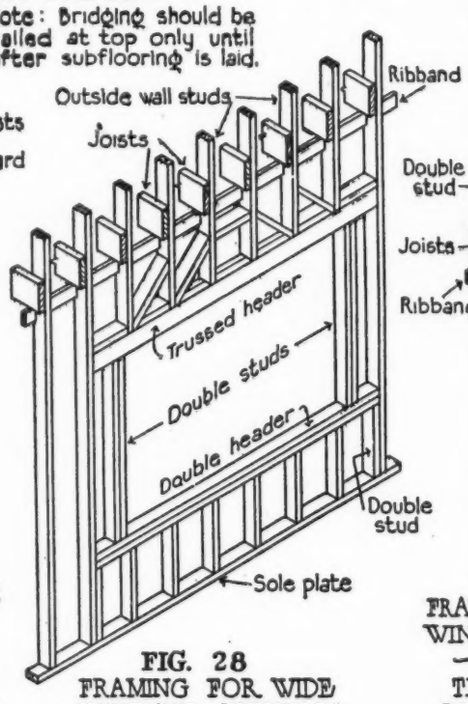


FIG. 28
FRAMING FOR WIDE WINDOW OPENINGS

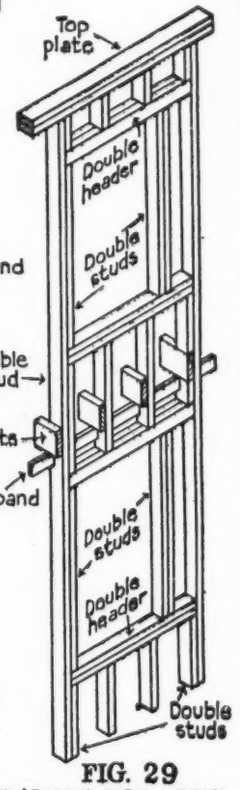


FIG. 29
FRAMING FOR TWO WINDOW OPENINGS — ONE ABOVE THE OTHER IN BEARING WALL

Courtesy Weyerhaeuser Sales Co.

STANDARD DETAILS FOR HOUSE FRAMING

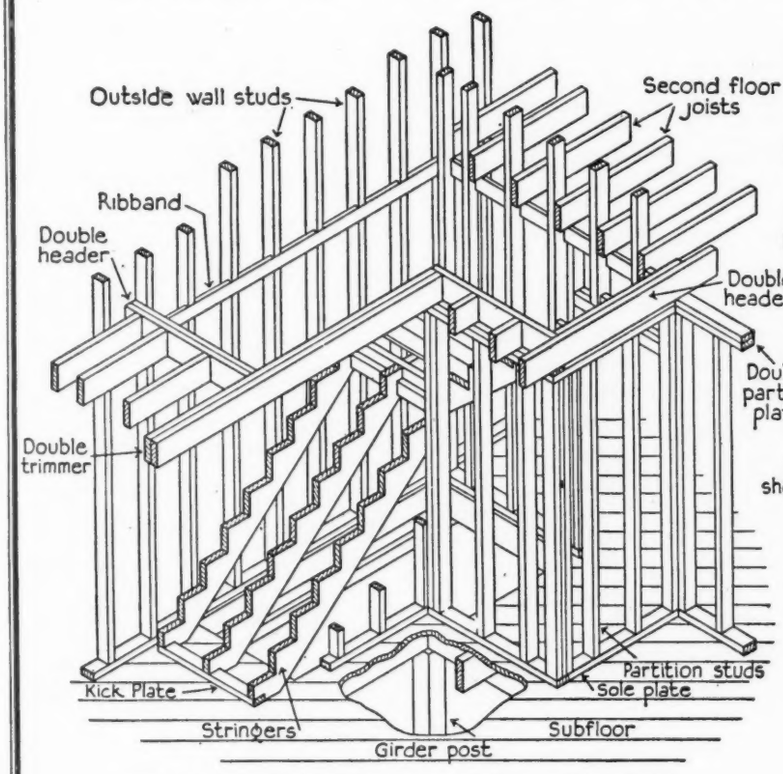


FIG. 30 FRAMING FOR OPEN STAIRWAY

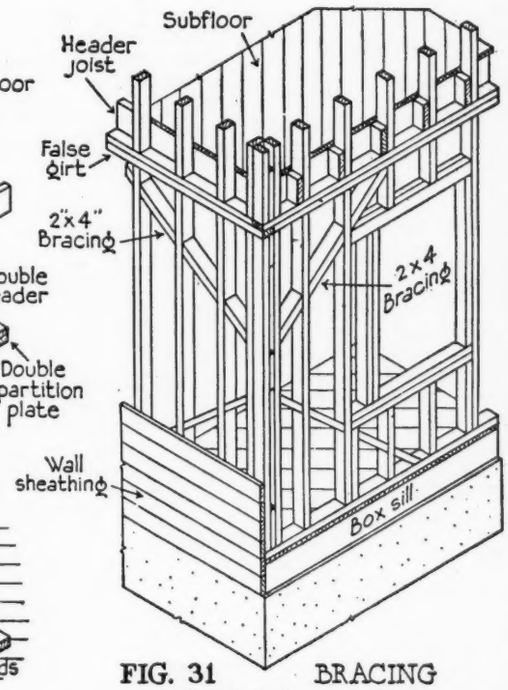


FIG. 31 BRACING
2"x4" Cut between studs
Sheathing applied horizontally

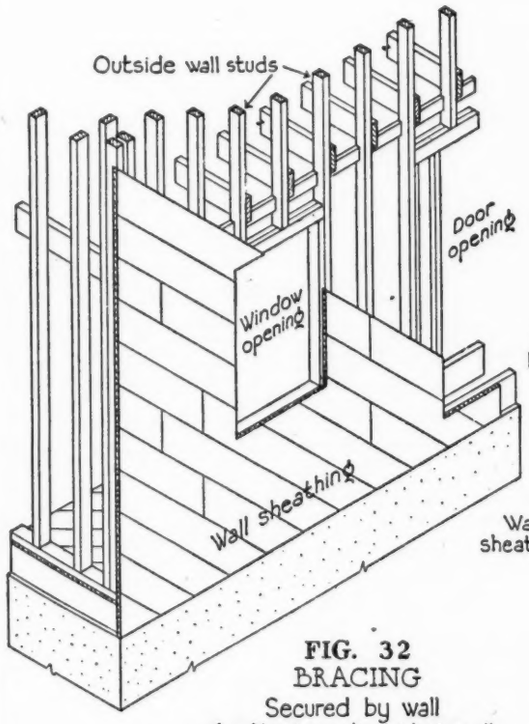


FIG. 32
BRACING
Secured by wall
sheathing applied diagonally

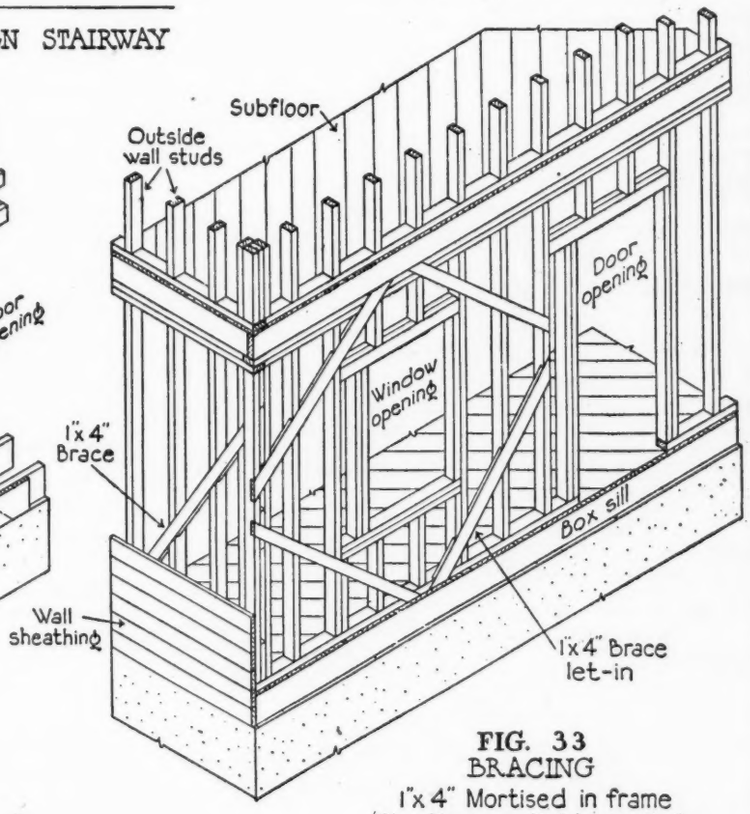


FIG. 33
BRACING
1"x4" Mortised in frame
Sheathing applied horizontally

Courtesy Weyerhaeuser Sales Co.

Standard Lumber Abbreviations

The following standard lumber abbreviations are in common use in contracts and other documents arising in the transactions of purchase and sale of lumber:

AD—air dried.

a. l.—all lengths.

av.—average.

av. w.—average width.

av. l.—average length.

a. w.—all widths.

B1S—beaded one side.

B2S—beaded two sides.

BBS—box bark strips.

bd.—board.

bd. ft.—board foot; that is, an area of 1 square foot by 1 inch thick.

bdl.—bundle.

bdl. bk. s.—bundled bark strips.

Bev.—beveled.

b. m.—board (foot) measure.

Btr.—better.

Clg.—ceiling.

Clr.—Clear.

CM.—Center matched; that is, the tongue-and-groove joints are worked along the center of the edges of the piece.

Com.—common.
Csg.—casing.
Ctg.—crating.
cu. ft.—cubic foot.

D&M—dressed (1 or 2 sides) and center matched.

D&H—dressed and headed; that is, dressed 1 or 2 sides and worked to tongue-and-groove joints on both the edge and the ends.

D&CM — dressed (1 or 2 matched; that is, dressed 1 or 2 sides and tongued and grooved on the edges. The match may be center or standard.

D&SM—dressed (1 or 2 sides) and standard matched.

D2S&CM—dressed two sides and center matched.

D2S&M—dressed two sides and (center or standard) matched.

D2S&SM—dressed two sides and standard matched.

Dim.—dimension.

D. S.—drop siding.

E—edge.

E&CB1S—edge and center bead 1 side; surfaced 1 or 2 sides and with a longitudinal edge and center bead on a surfaced face.

E&CB2S—edge and center bead 2 sides; all 4 sides surfaced and with a longitudinal edge and center bead on the 2 faces.

ECM—ends center matched.

E&CV1S—edge and center V 1 side; surface 1 or 2 sides and with a longitudinal edge and center V-shaped groove on a surfaced face.

E&CV2S—edge and center V 2 sides; all 4 sides surfaced and with a longitudinal edge and center V-shaped groove on each of the 2 faces.

E. G.—edge grain.

EM—end matched—either center or standard.

ESM—ends standard matched.

FAS—first and seconds—a combined grade of the two upper grades of hardwoods.

f. bk.—flat back.

fcty.—factory (lumber).

F. G.—flat grain.

Flg.—flooring.

f. o. k.—free of knots.

Frm.—framing.

ft.—foot or feet. Also one accent (').

feet b. m.—feet board measure.

feet s. m.—feet surface measure.

G. R.—grooved roofing.

H. bk.—hollow back.

Hdl.—handle (stock).

hdwd.—hardwood.

Hrt.—heart.

Hrtwd.—heartwood.

1s&2s.—ones and twos—a combined grade of the hardwood grades of firsts and seconds.

in.—inch or inches. Also two accent marks (").

Kd.—kiln-dried.

k. d.—knocked down.

lbr.—lumber.

lgth.—length.

lgr.—longer.

lin. ft.—linear foot; that is, 12 inches.

Lng.—lining.

LR.—log run.

Lr. MCO.—log run, mill culls out.

Lth.—lath.

M.—thousand.

M. b. m.—thousand (feet) board measure.

MCO.—mill culls out.

Merch.—merchantable.

m. l.—mixed lengths.

Mldg.—moulding.

MR.—mill run.

M. s. m.—thousand (feet) surface measure.

m. w.—mixed widths.

No.—number.

Ord.—order.

P.—planed.

Pat.—pattern.

Pky.—pecky.

Pln.—plain, as plain sawed.

Pn.—partition.

Qtd.—quartered—when referring to hardwoods.

rdm.—random.

res.—resawed.

Rfg.—roofing.

Rfrs.—roofers.

rip.—ripped.

r. l.—random lengths.

rnd.—round.

R. Sdg.—rustic siding.

r. w.—random widths.

S&E.—surfaced 1 side and 1 edge.

S1E.—surfaced one edge.

S2E.—surfaced two edges.

S1S.—surfaced one side.

S2S.—surfaced two sides.

S1S1E.—surfaced 1 side and 1 edge.

S2S1E.—surfaced 2 sides and 1 edge.

S1S2E.—surfaced 1 side and 2 edges.

S4S.—surfaced four sides.

S4SCS.—surfaced four sides with a calking seam on each edge.

S&CM—surfaced 1 or 2 sides and center matched.

S&M—surfaced and matched; that is, surfaced 1 or 2 sides and tongued and grooved on the edges. The match may be center or standard.

S&SM.—surfaced 1 or 2 sides and standard matched.

S2S&CM.—surfaced two sides and center matched.

S2S&M.—surfaced two sides and center or standard matched.

S2S&SM. — surfaced two sides and standard matched.

Sap.—sapwood.

SB.—standard bead.

Sd.—seasoned.

Sdg.—Siding.

Sel.—select.

S. E. Sdg.—square-edge siding.

s. f.—surface foot; that is, an area of 1 square foot.

Sftwd.—softwood.

Sh. D.—shipping dry.

Shlp.—shiplap.

s. m.—surface measure.

SM—standard matched.

smkd.—smoked (dried).

smk. stnd.—smoke stained.

s. n. d.—sap no defect.

snd.—sound.

sq.—square.

Sq. E. & S.—square edge and sound.

Sqrs.—squares.

Std.—standard.

stnd.—stained.

stk.—stock.

S. W.—sound wormy.

T&G — tongued and grooved.

TB&S—top, bottom, and sides.

Tbrs.—timbers.

Thickness—4/4, 5/4, 6/4, 8/4, etc. = 1 inch, 1¼ inches, 1½ inches, 2 inches, etc.

V1S—V 1 side; that is, a longitudinal V-shaped groove on 1 face of a piece of lumber.

V2S—V 2 sides; that is, a longitudinal V-shaped groove on 2 faces of a piece of lumber.

V. G.—vertical grain.

w. a. l.—wider, all lengths.

Wth.—width.

Wdr.—wider.

wt.—weight.

Glossary of Millwork Terms and Abbreviations

With Special Reference to Windows

Bev. Plt.—Beveled plate glass. Give width of bevel.

B. F.: Board feet.

Bld.: Blind—A single piece.

Br. Opg.: Brick opening—applies to masonry frames, and is the measurement from outside to outside of the brick mould. [Given in feet and inches.]

C. F.: Cellar sash frame. Usually in masonry walls; have plank jambs.

Ck. R. Wds.: Check Rail Windows—having the meeting rails thicker than the rest of the window, to take care of the parting stop. They are usually beveled.

Csmt: Casement sash—single or in pairs, made to swing on hinges.

Dr. Fr.: Door Frame—O.S. (Outside) or I.S. (Inside) [Give measure in feet and inches.]

D. S.—Double strength glass—8 to 9 sheets per inch (A quality and B quality).

F. Bd.: Full Bound—where stiles, top and bottom rails are all the same size.

F. M.: Flush Mould—an applied mould that finishes flush or below the stiles and rails.

F. M.: Face Measurement—the measurement of any part of an article, exclusive of any mould or rabbet.

Fr. Wd.: French window—a pair of sash made to swing on hinges like a pair of doors. A long pair of casement sash with wide stiles and bottom rail.

Ft. Sh.: A sash made to correspond with a front (or transom) window.

Ft. Wd.: Front window—also called transom window. Those that have the meeting rails placed above the center of the opening.

G. S.: Glass Size—the glass opening between rabbets or from shoulder to shoulder of members between which the glass rests. This measurement should always be given in inches.

L. F.: Lineal feet.

L. G.—Leaded glass—Bars of lead or hard metal instead of wood.

L. R.: Lock Rail—the wide center rail.

Lt.—Light. A pane of glass.

M. B. F.: Thousand board feet.

M. R.: Meeting Rail—the rails of a window that meet when the window is closed.

Mull.: Mullion—an upright member of a sash that is wider than the ordinary bar, dividing the glass in a sash. Also, the wide upright members of a frame, dividing the two or more sash or windows, contained in the frame.

Munt.: Muntin—the short vertical or horizontal bars in a sash between the glass; the short bars in a door that extend between the panels.

Obs.—Obscure—Usually applies to rolled, figured glass, both clear and colored, that is not transparent—such as florentine, maze, ribbed, syenite etc.

O. S. Opg.: Outside opening—the measurement of a given article from outside to outside. The frame opening should always be given in feet and inches.

Pl. Plt.—Plain plate glass.

Pl. R.: Plain Rail—meeting rails same thickness as rest of window.

Pl. R. Wds: Plain Rail Windows—Having the meeting rails same thickness as rest of window.

Pr. Blds.: Pair of blinds—two pieces.

Pr. Csmt.: Pair of casement—two sash made to swing on hinges and rabbeted in the center, either to swing out (S. O.) or swing in (S. I.).

P. S.: Pulley Stiles—the sides of a window frame, in which the pulleys are placed, and on which the window slides.

Rl: Rail—horizontal pieces of the framework of a sash, door or blind.

R. M.: Raised Mould—an applied mould that extends above or partly covers the surface of the stiles or rails.

Set Blds.: Set of Blinds—more than two pieces, usually enough for the job

Sh: Sash—one piece to fill a given opening.

Shtrs.: Shutters—blinds with solid panels instead of slats.

S. M.: Solid Mould—applies to a mould that is worked on the member itself.

S. S.—Single strength glass—10 to 12 lights per inch (A quality and B quality).

S. S. Blds.: Stationary Slat Blinds—blinds with slats mortised into or so attached to the stiles as to be fixed.

Stl.: Stile—principal upright or vertical pieces of the framework of a sash, door or blind.

Wd: Window—two pieces, one upper and one lower sash, to fill an opening and arranged to slide vertically.

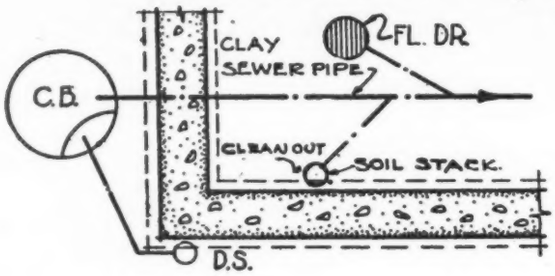
Wd. Fr.: Window Frame. [Give over all size of sash or window.]

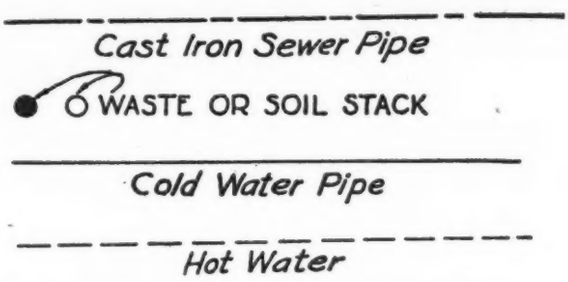
Wts. & C.: Weights and Cord.

Abbreviations Used by Draftsmen

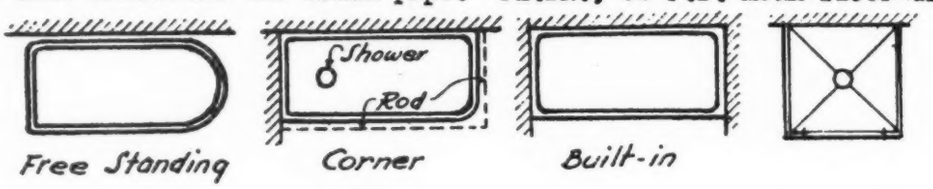
Asb.—Asbestos
Bals.—Baluster
Basmt.—Basement
Bbl.—Barrel
Bd.&Pt.—Bed and Point
Bev.—Bevelled
B.F.M.—Board Feet Measure
BP.—Base Plug
B.R.—Bed Room
B.S.—Both Sides
C to C—Center to Center
Chim.—Chimney
C.I.—Cast Iron
Clo.—Closet
C.O.—Case Opening
c-o—Clean out
Col.—Column
Conc.—Concrete
C/C—Center to Center
Cu.Ft.—Cubic feet
Cu.yd.—Cubic yard
Cwt.—Hundred Weight
D.H.—Double-hung
Dia.—Diameter
Dim.—Dimension
" or Do.—Ditto
Div.—Divided
D&M—Dressed and Matched
Dn.—Down
D.S.—Downspout
D.S.A.—Double Strength Grade A
El.—Elevation
Elev.—Elevator
Encl.—Enclosure
Exc.—Excavate
Ext.—Exterior
F.B.M.—Feet Board Measure
F.G.—Fuel Gas
Fin.—Finish
F-p.—Fireproof
Fl.—Floor
Fl.Dr.—Floor Drain
Flor.Gl.—Florentine Glass
' or Ft.—Foot
Ftgs.—Footings
F.O.B.—Free-on-board
Galv.—Galvanized
G.I.—Galvanized Iron
Gl—Glass or Glazed
G.L.—Ground Line or Grade Line
H.P.—High Point
" or in.—Inch
Insul.—Insulation
Int.—Interior
Lav.—Lavatory
Lin.Ft.—Linear Feet
L-d.—Leader Drain
L.P.—Low Point
Lt.—Light
M.—Thousand
M.&B.—Matched and Beaded
M.C.—Medicine Cabinet
M.D.&V—Matched, Dressed & V'd
Mldg.—Moulding
M&V—Matched & V'd
or No.—Number
O.G.—Ogee
Opg.—Opening
Orn.—Ornament
Pl.—Plaster
PL.—Plate
PL.GL.—Plate Glass
Pt.—Point
or Lb.—Pound
R.—Radius
R.—Riser
Rad.—Radiator
Reg.—Register
Rel.Arch.—Relieving Arch
Rev.—Revision
Riv.—Riveted
S.—Sink
S.—Switch
S.C.—Self-closing
S.D.—Sash Door
Sec.—Section
S&M—Surfaced and matched
Sq. Ft.—Square foot
S.P.—Soil pipe
S.R.—Steam Riser
S.Rt.—Steam Return
S.S.—Slop Sink
S1S—Surface 1 side
S2S—Surface 2 sides
S4S—Surface 4 sides
SISIE—Surface 1 side & 1 edge
St.—Stone
Std.—Standard
St.P.—Stand pipe
T.—Thread
T.C.—Terra cotta
T&G—Tongue & Grooved
Th.—Threshold
Tr.—Transom
U.S.G.—U. S. Gauge
V.—Vent. or Ventilator
Vest.—Vestibule
Vit—Vitrified
W.—Waste
W.Gl—Wire Glass
W.I.—Wrought-iron
Wp.—Waterproof
Wt.—Weight
Yd.—Yard

Architectural Symbols for Plumbing

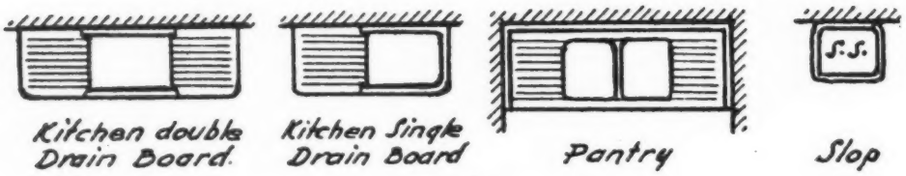




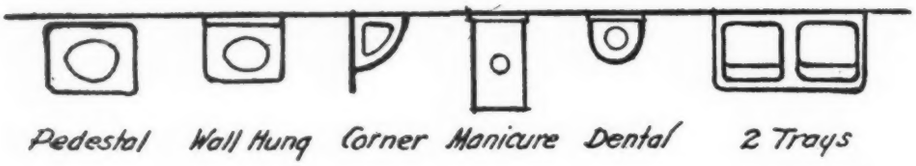
C.B. indicates catch basin, D.S. a downspout. The dot and long dash line indicates the drain pipe. FL.DR., or F.D. mean floor drains.



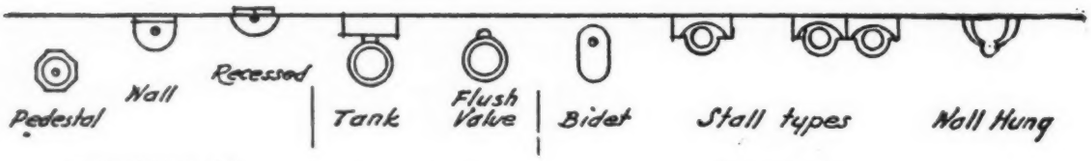
BATH TUBS SHOWER



SINKS



LAVATORIES LAUNDRY TUBS

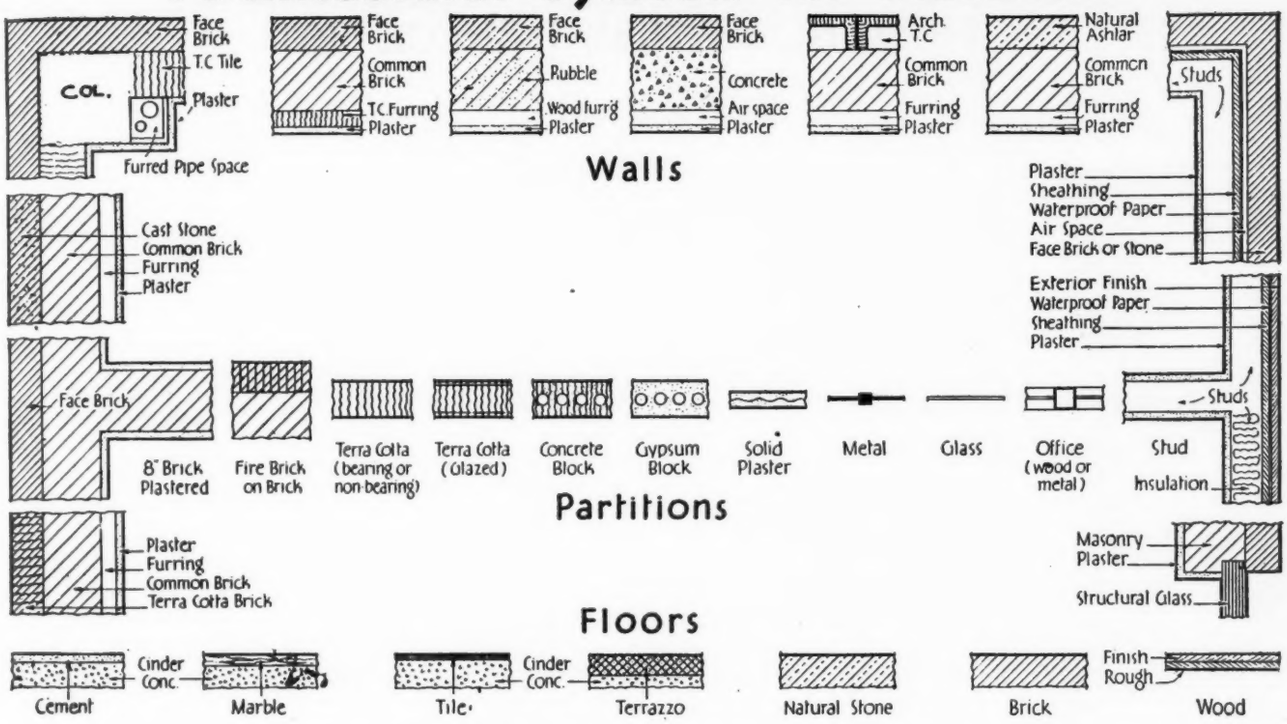


DRINKING FOUNTAINS TOILETS URINALS

Symbols for Electric Wiring

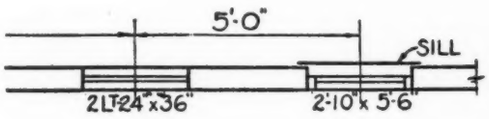
- Ceiling outlet — Electric — Gas
- Combination ceiling outlet electric and gas lamps
- Wall bracket outlet
- Combination wall outlet electric and gas lamps
- Outlet in wall
- Floor outlet
- Outlet for outdoor standard or post
- Telephone outlet private service
- Meter outlet
- Distribution panel
- Junction or pull-box
- Drop cord or suspended outlet
- One-lamp outlet for lamp receptacle
- Arc lamp outlet
- Buzzer outlet
- Push-button outlet
- Bell outlet
- Special outlet for heat, light or power
- Ceiling fan outlet
- S^1 Single pole switch outlet
- S^2 Double pole switch outlet
- S^3 Three-way switch outlet
- S^4 Four-way switch outlet
- S^D Automatic switch outlet

Architectural Symbols for Materials

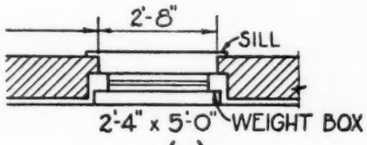


Showing how hatching is used to indicate the material in walls, partitions and floors.

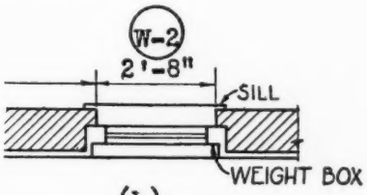
Symbols for Windows and Doors



Double-hung Window in Frame Wall.

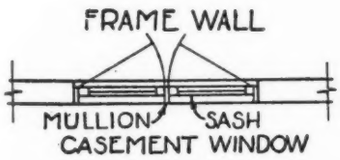


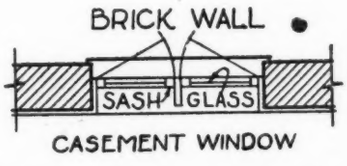
(a)



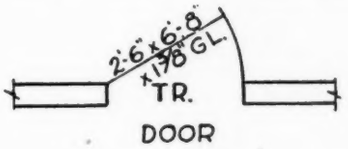
(b)

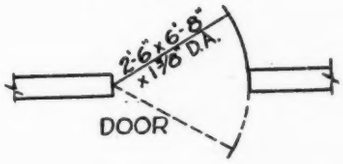
Double-hung Window in Brick Wall.



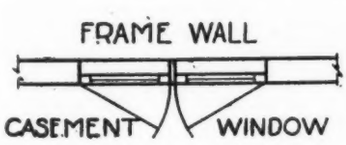


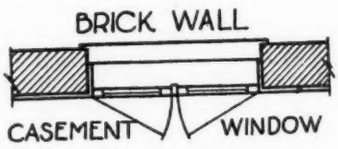
Symbols for out-swinging casement windows in frame and brick walls.





Symbols for a glazed door with transom and a double action door.





Symbols for in-swinging windows in frame and brick walls. Courtesy Chicago Technical college

BUILDING MATERIAL CHECK LIST

For House Construction

Customer's Name .....

Job No. .....

Address .....

Job Location .....

Masonry

1. Drain Tile—Yd. .....
2. Sewer Pipe .....
3. Waterproofing .....
4. Cement Blocks .....
5. Sand and Gravel .....
6. Cement .....
7. Mason's Lime .....
8. Footings .....
9. Chimney Flue .....
10. Chimney Brick .....
11. Clean Out .....

Lumber

1. Posts .....
2. Beams .....
3. Beam Plates .....
4. Plates .....
5. First Floor Joists .....
6. Second Floor Joists .....
7. Ceiling Joists .....
8. Collar Beams .....
9. Bridging .....
10. Nails .....
11. Plates .....
12. Studs .....
13. Gable Studs .....
14. Rafters .....
15. Sheathing—Floor .....
16. Sheathing—Wall .....
17. Sheathing—Roof .....
18. Roofing .....
19. Slater's Felt .....
20. Tin Shingles .....
21. Valley Flashing .....
22. Building Paper—Walls .....
23. Building Paper—Floors .....
24. Siding .....
25. Siding Corners .....
26. Flooring .....
27. Flooring—Kitchen .....
28. Flooring—Bath .....
29. Flooring—Attic .....
30. Stair Material—Basement .....
31. Stair Material—Grade .....
32. Stair Material—Attic .....
33. Cornice Level .....
34. Cornice Gable .....
35. Insulation .....
36. Grounds—Dr.—Lath .....
37. Plaster .....
38. Plaster Board .....
39. Plaster Paint .....
40. Tape Method .....
41. Metal Corner Bead .....
42. Metal Corner Mesh .....
43. Metal Arches .....

Garage .....

Millwork

1. Coal Chute .....
2. Basement Sash .....
3. Window Frames .....
4. Door Frames .....
5. Louvres .....
6. Windows .....
7. Front Door .....
8. Rear Door .....
9. Side Door .....
10. Inside Doors .....
11. Base .....
12. Shoe .....
13. Picture Moulding .....
14. Hook Strip .....
15. Chair Rail .....
16. Closet Shelving .....
17. Thresholds .....
18. Medicine Case .....
19. Kitchen Case .....
20. Kitchen Case Top .....
21. Linen Case .....
22. Mantel .....
23. Porch Columns .....
24. Porch Brackets .....
25. Blinds .....
26. Screens .....
27. Combination Doors .....
28. Storm Sash .....

Paint

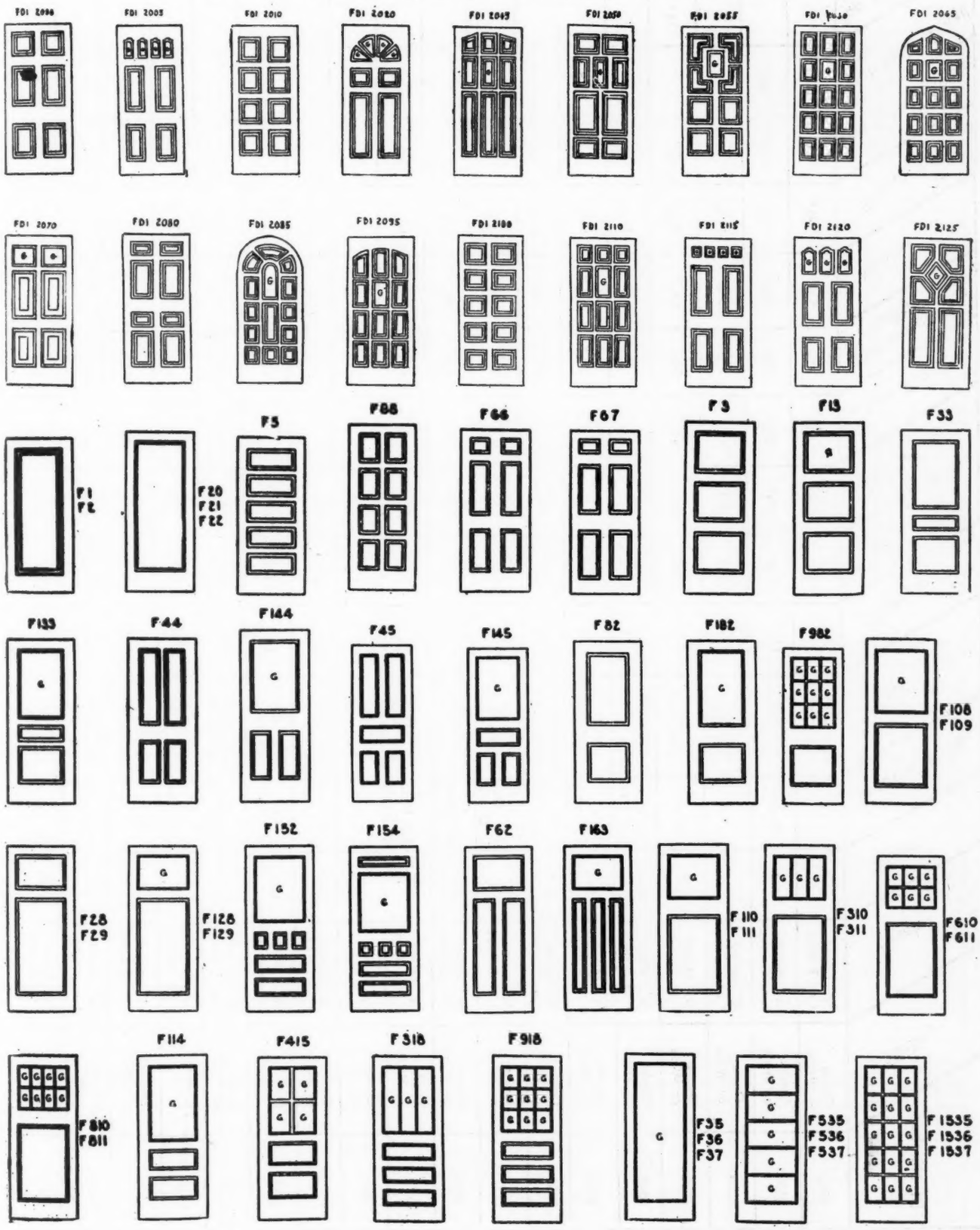
Paint—Exterior .....
Paint—Interior .....
Paint—Walls and Ceilings .....
Gutters, etc. .....

Hardware

1. Front Door Lock .....
2. Rear Door Lock .....
3. Inside Door Locks .....
4. Bath Door Lock .....
5. Hinges .....
6. Sash Locks .....
7. Sash Lifts .....
8. Sash Weights or Balances .....
9. Sash Cord, Chain or Ribbon .....
10. Cabinet Hinges .....
11. Cabinet Latches .....
12. Cabinet Pulls .....
13. Screen Hardware .....
14. Storm Sash Hardware .....

Standard Douglas Fir Doors As Adopted by the Fir Door Institute

Additional Fir Door Designs May Be Obtained from the Fir Door Institute.



Specifications for Exterior Douglas Fir Doors

FDI Number	Sticking	Panels	Glass*	Beads or Grille	Sizes	Thickness	Stiles	Top Rail	Lock Rail	Intermediate Rail(s)	Muntins	Bottom Rail	Bars Between Glass	Floor to Lock Rail Top	Top to Top of Intermediate Rail	Door Top to Intermediate Rail Bottom
2000	Ovolo or Wide	3/4" raised 1 or 2 sides			3'0"x6'8" 3'0"x7'0"	1 3/4"	5 3/8"	5 3/8"	11 3/8"	5 3/8"	5 3/8"	9 3/8"		36 3/8"		18 1/2"
2005	Ovolo or Wide	3/4" raised 1 or 2 sides	N.F.	Ovolo	3'0"x6'8" 3'0"x7'0"	1 3/4"	5 3/8"	6 3/8"	9 3/8"	5 3/8"	5 3/8"	9 3/8"	1 3/8"	36 3/8"		19"
2010	Ovolo or Wide	3/4" raised 1 or 2 sides			3'0"x6'8" 3'0"x7'0"	1 3/4"	5 3/8"	5 3/8"	5 3/8"	5 3/8"	5 3/8"	11 3/8"				
2020	Ovolo or Wide	3/4" raised 1 or 2 sides	N.F.	Ovolo	3'0"x6'8" 3'0"x7'0"	1 3/4"	5 3/8"	5 3/8"	5 3/8"	5 3/8"	5 3/8"	9 3/8"	1/2"		18"	
2045	Ovolo or Wide	3/4" raised 1 or 2 sides	N.F.	Grille Furnished	3'0"x6'8" 3'0"x7'0"	1 3/4"	5 3/8"	5 3/8"		3 3/4"	3 3/4"	11 3/8"				
2050	Ovolo or Wide	3/4" raised 1 or 2 sides	N.F.	Grille Optional	3'0"x6'8" 3'0"x7'0"	1 3/4"	5 3/8"	5 3/8"	4 1/2"	4 1/2"	4 1/2"	11 3/8"		23 7/8"		16 7/8"
2055	Ovolo or Wide	3/4" raised 1 or 2 sides	N.F.	Grille Optional	3'0"x6'8" 3'0"x7'0"	1 3/4"	5 3/8"	5 3/8"		4 1/2"	4 1/2"	11 3/8"				22 7/8"
2060	Ovolo or Wide	3/4" raised 1 or 2 sides		"L" and Bull Nose or Ovolo	3'0"x6'8" 3'0"x7'0"	1 3/4"	5 3/8"	5 3/8"	3 3/4"	3 3/4"	3 3/4"	9 3/8"				
2065	Ovolo or Wide	3/4" raised 1 or 2 sides	N.F.	"L" and Bull Nose or Ovolo	3'0"x6'8" 3'0"x7'0"	1 3/4"	5 3/8"	5 3/8"	3 3/4"	3 3/4"	3 3/4"	9 3/8"				
2070	Ovolo or Wide	3/4" raised 1 or 2 sides	N.F.	"L" and Bull Nose or Ovolo	3'0"x6'8" 3'0"x7'0"	1 3/4"	5 3/8"	5 3/8"	9 3/8"	5 3/8"	5 3/8"	9 3/8"	4 5/8"	36 3/8"		
2080	Ovolo or Wide	3/4" raised 1 or 2 sides			3'0"x6'8" 3'0"x7'0"	1 3/4"	5 3/8"	5 3/8"	9"	4 1/2"	4 1/2"	8"		45"	12 3/8"	
2085	Ovolo or Wide	3/4" raised 1 or 2 sides	N.F.	Grille Optional	3'0"x6'8" 3'0"x7'0"	1 3/4"	5 3/8"	5 3/8"		3 3/4"	3 3/4"	11 3/8"				34 1/2"
2095	Ovolo or Wide	3/4" raised 1 or 2 sides	N.F.	Grille Optional	3'0"x6'8" 3'0"x7'0"	1 3/4"	5 3/8"	5 3/8"		3 3/4"	3 3/4"	11 3/8"				
2100	Ovolo or Wide	3/4" raised 1 or 2 sides			3'0"x6'8" 3'0"x7'0"	1 3/4"	5 3/8"	5 3/8"	3 3/4"	3 3/4"	3 3/4"	9 3/8"				
2110	Ovolo or Wide	3/4" raised 1 or 2 sides	N.F.	Grille Optional	3'0"x6'8" 3'0"x7'0"	1 3/4"	5 3/8"	5 3/8"		3 3/4"	3 3/4"	11 3/8"				
2115	Ovolo or Wide	3/4" raised 1 or 2 sides	N.F.	Ovolo	3'0"x6'8" 3'0"x7'0"	1 3/4"	5 3/8"	5 3/8"	9"	4 1/2"	4 1/2"	8"	1"	36"		
2120	Ovolo or Wide	3/4" raised 1 or 2 sides	N.F.	Ovolo	3'0"x6'8" 3'0"x7'0"	1 3/4"	5 3/8"	5 3/8"	9 3/8"	5 3/8"	5 3/8"	9 3/8"	2"	36 3/8"		
2125	Ovolo or Wide	3/4" raised 1 or 2 sides	N.F.	"L" and Bull Nose or Ovolo	3'0"x6'8" 3'0"x7'0"	1 3/4"	5 3/8"	5 3/8"	5 3/8"	4 1/2"	4 1/2"	11 3/8"				

*N.F.—Not Furnished

Specifications for Interior Douglas Fir Doors

	Stiles	Top Rail	Bottom Rail	Insert Frame	Muntins	Intermediate Rail(s)	Grades	Lock Rail	Floor to Lock Rail Top	Top to Top of Intermediate Rail	Floor to Upper Cross Rail Top	Bars Between Glass
F1	4 9/16"	4 9/16"	9 3/8"	2 9/16"			A,B					
F2	4 9/16"	4 9/16"	9 3/8"	2 9/16"			A,B					
F20	4 9/16"	4 9/16"	9 3/8"				A,B					
F21	4 9/16"	5 3/8"	11 3/8"				A,B					
F22	5 3/8"	5 3/8"	11 3/8"				A.B					
F5	4 9/16"	4 9/16"	9 3/8"			4 1/2"	A,B,C					
F88	4 9/16"	4 9/16"	9 3/8"		2 7/8"	2 7/8"	A,B					
F66	4 9/16"	4 9/16"	9 3/8"			4 1/2"	A,B	8"	36 1/2"	12 5/16"		
F67	4 9/16"	4 9/16"	7 15/16"		4 1/2"	4 1/2"	A,B	9 3/8"	41 1/16"	12 5/16"		
F3	4 9/16"	4 9/16"	9 3/8"			2 1/4"	A,B					
F13	4 9/16"	4 9/16"	9 3/8"			2 1/4"	A,B					
F33	4 9/16"	4 9/16"	9 3/8"			4 1/2"	A,B				42 1/4"	
F133	4 9/16"	4 9/16"	9 3/8"			4 1/2"	A,B					
F44	4 9/16"	4 9/16"	9 3/8"		4 1/2"		A,B	8"	36 1/2"			
F144	4 9/16"	4 9/16"	9 3/8"		4 1/2"		A,B	8"				
F45	4 9/16"	4 9/16"	9 3/8"		4 1/2"	4 1/2"	A,B				42 1/2"	
F145	4 9/16"	4 9/16"	9 3/8"		4 1/2"	4 1/2"	A,B					
F82	4 9/16"	4 9/16"	9 3/8"				A,B	8"	36 1/2"			
F182	4 9/16"	4 9/16"	9 3/8"				A,B	8"				
F982	4 9/16"	4 9/16"	9 3/8"				A,B	8"				1/2"
F108	4 9/16"	5 3/8"	9 3/8"				A,B	5 3/8"				
F109	5 3/8"	5 3/8"	9 3/8"				A,B	5 3/8"				
F28	4 9/16"	4 9/16"	9 3/8"				A,B	4 1/2"				
F29	5 3/8"	5 3/8"	11 3/8"				A,B	5 3/8"				
F128	4 9/16"	4 9/16"	9 3/8"				A,B	4 1/2"				
F129	5 3/8"	5 3/8"	11 3/8"				A,B	5 3/8"				
F152	4 9/16"	5 3/8"	9 3/8"		3 3/8"	3 3/8"	A,B	5 3/8"				
F154	4 9/16"	5 3/8"	9 3/8"		3 3/8"	3 3/8"	A,B	5 3/8"				
F62	4 9/16"	4 9/16"	9 3/8"		4 1/2"		A,B	4 1/2"				
F163	4 9/16"	4 9/16"	9 3/8"		3 1/4"		A,B	4 1/2"				
F110	4 9/16"	5 3/8"	9 3/8"				A,B	8"				
F111	5 3/8"	5 3/8"	9 3/8"				A,B	8"				
F310	4 9/16"	5 3/8"	9 3/8"				A,B	8"				1/2"
F311	5 3/8"	5 3/8"	9 3/8"				A,B	8"				1/2"
F610	4 9/16"	5 3/8"	9 3/8"				A,B	8"				1/2"
F611	5 3/8"	5 3/8"	9 3/8"				A,B	8"				1/2"
F810	4 9/16"	5 3/8"	9 3/8"				A,B	8"				1/2"
F811	5 3/8"	5 3/8"	9 3/8"				A,B	8"				1/2"
F114	4 9/16"	4 9/16"	9 3/8"			4 1/2"	A,B,C	5"				Vert. 11/16
F415	4 9/16"	4 9/16"	9 3/8"			4 1/2"	A,B,C	4 1/2"				Hor. 1/2"
F318	4 9/16"	5 3/8"	9 3/8"			3 3/8"	A,B,C	5 3/8"				1/2"
F918	4 9/16"	5 3/8"	9 3/8"			3 3/8"	A,B,C	5 3/8"				1/2"
F35	4 9/16"	4 9/16"	9 3/8"				A,B					
F36	5 3/8"	5 3/8"	11 3/8"				A,B					
F37	5 3/8"	6 3/8"	18 3/8"				A,B					
F535	4 9/16"	4 9/16"	9 3/8"				A,B					1/2"
F536	5 3/8"	5 3/8"	11 3/8"				A,B					1/2"
F537	5 3/8"	6 3/8"	18 3/8"				A,B					1/2"
F1535	4 9/16"	4 9/16"	9 3/8"				A,B					1/2"
F1536	5 3/8"	5 3/8"	11 3/8"				A,B					1/2"
F1537	5 3/8"	6 3/8"	18 3/8"				A,B					1/2"

New Modular Standard Ponderosa Pi

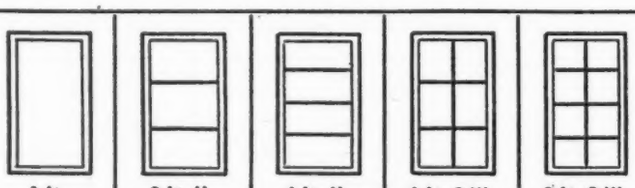
POPULAR SIZES and DESIGNS

CASEMENT SASH 1⅜"

Prefit Face Measurements

Stiles.....1 29/32" Bottom Rail.....3"
Top Rail.....1 29/32" Vertical Bar..... 3/16"
Muntin.....3/16"

Sash are made ⅛" narrower and 1/32" shorter than opening sizes given below



	1 Lt.	3 Lt. H.	4 Lt. H.	6 Lt. 2 W.	8 Lt. 2 W.
1-4x3- 2	12x33	12x10 13/16	.....	5⅞x10 13/16	.....
3-10	41	13 ½	12x10 1/16	13 ½	5⅞x10 1/16
4- 6	49	.....	12 1/16	.....	12 1/16
1-8x3- 2	16x33	16x10 13/16	.....	7⅞x10 13/16	.....
3-10	41	13½	16x10 1/16	13 ½	7⅞x10 1/16
4- 6	49	.....	12 1/16	.....	12 1/16

STORM SASH and SCREENS 1⅛"

Prefit Face Measurements

Storm Sash	Screens
St.....1 29/32"	St.....1 27/32"
T.R.....1 29/32"	T.R.....1 27/32"
B.R.....4 1/16"	B.R.....3"
C.R.....⅞"	C.R.....⅝"

Storm Sash or Screens

Storm Sash and Screens are available for all Standard Windows. The more popular sizes conform to the window sizes shown on the preceding page.

Storm Sash and Screens are made ⅛" narrower and 1" longer than window opening sizes.

CELLAR SASH 1⅛" and 1⅜"

Prefit Face Measurements	St.....1 21/32" T.R.....1 29/32" B.R.....1 29/32" V.B.....⅞"	Prefit Face Measurements	St.....1 21/32" T.R.....1 29/32" B.R.....1 29/32" V.B.....3/16"	Prefit Face Measurements	St.....1 29/32" T.R.....1 29/32" B.R.....1 29/32" V.B.....3/16"
Sash are made ⅛" narrower and ⅛" shorter than opening sizes given below	2 Lt.	Sash are made ⅛" narrower and ⅛" shorter than opening sizes given below	3 Lt.	Sash are made ⅛" narrower and ⅛" shorter than opening sizes given below	4 Lt.
2-0x1-4	10x12	2-4x1-4	8 x12	3-8x1-4	9 13/16x12
2-4x1-4	12x12	2-8x1-0	9 11/32x 8	1-8	16
1-8	16	1-4	12	4-4x1-4	11 13/16x12
2-0	20	1-8	16	1-8	16
.....	.....	3-0x1-4	10 21/32x12	.....	.....
.....	.....	1-8	16	.....	.....
.....	.....	3-4x1-8	12 x16	.....	.....
.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....

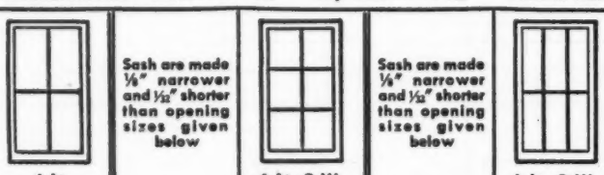
PLAIN RAIL WINDOWS 1⅛"

Prefit Face Measurements	St.....1 21/32" T.R.....2 3/16" B.R.....2 3/16" M.R.....1 3/32" V.B.....7/16" Mun.....3/16"	Prefit Face Measurements	St.....1 21/32" T.R.....2 3/16" B.R.....2 3/16" M.R.....1 3/32" V.B.....3/16" Mun.....3/16"
Windows are made ⅛" narrower and 1/16" shorter than opening sizes shown below	8 Lt.	Windows are made ⅛" narrower and 1/16" shorter than opening sizes shown below	12 Lt.
1-8x3-10	8x10	2-4x3-10	8x 10
2-0x4- 6	10x12	4- 6	12
2-4x5- 2	12x14	2-8x4- 6	9 11/32x12
.....	.....	3-0x4- 6	10 21/32x12
.....	.....	.....	.....
.....	.....	.....	.....

BARN or UTILITY SASH 1⅛" and 1⅜"

Prefit Face Measurements—Stiles....1 21/32" Top Rail....1 21/32" Bottom Rail....3" *Vertical Bar..3/16" or 7/16" Muntin....3/16"

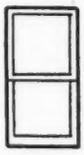
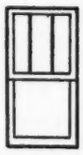
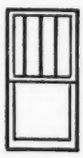
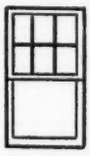
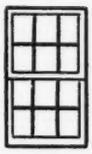
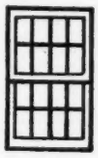
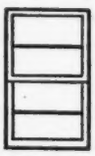
Sash are made ⅛" narrower and 1/32" shorter than opening sizes given below



	4 Lt.		6 Lt. 2 W.		6 Lt. 3 W.		9 Lt. 3 W.		12 Lt. 3 W.
1-8x2-1	8x10	1-8x2-11¼	8x10	2-0x1-11	6 21/32x 9	2-0x2- 8¼	6 21/32x 9	2-4x3-9½	8 x10
2-5	12	2-0x3- 5¼	10x12	2-4x2- 1	8 x10	2-4x2-11¼	8 x10	2-8x4-5½	9 11/32x12
2-0x2-1	10x10	.....	.....	2- 5	12	3- 5¼	12	3-0x4-5½	10 21/32x12
2-5	12	.....	.....	2-8x2- 5	9 11/32x12	2-8x3- 5¼	9 11/32x12	.....	.....
2-9	14	.....	.....	2- 9	14	.....	.....	.....	.....
3-1	16	.....	.....	3-0x2- 5	10 21/32x12	.....	.....	.....	.....
2-4x2-5	12x12	.....	.....	.....	.....	.....	*Vertical bar 7/16" for Sash 2 lights wide; 3/16" for Sash 3 lights wide.		.....
2-9	14	.....	.....	.....	.....	.....			.....
3-1	16	.....	.....	.....	.....	.....			.....

Pine Stock Windows and Sash

CHECK RAIL WINDOWS 1⅜"—POPULAR SIZES and DESIGNS

Profit Face Measurements	Stiles 1 29/32"	Top Rail 1 29/32"	Bottom Rail 3"	Vertical Bar 3/16"	Check Rail 1 3/32"	Stiles 1 29/32"	Top Rail 1 21/32"	Bottom Rail 3"	Vertical Bar 3/16"	Muntin 3/16"	Check Rail 1 3/32"	St. 1 21/32"	T.R. 1 21/32"	B.R. 2 3/4"	V.B. 3/16"	Mun. 3/16"	C.R. 1 3/32"	Stiles 1 29/32"	Top Rail 1 21/32"	Bottom Rail 2 3/4"	Vertical Bar 3/16"	Muntin 3/16"	Check Rail 1 3/32"
Windows are made ½" narrower and 1/16" shorter than window opening sizes shown below	 2 Lt.	 Top 3 Lt. W.	 Top 4 Lt. W.	 Top 6 Lt.	Top 8 Lt.	 12 Lt.	 16 Lt.	 4 Lt. H.													
1-8x3- 2	16x16	.....	.....	.....	.....	.....	.....	16x 8															
3-10	20	.....	.....	.....	.....	.....	.....	10															
4- 6	24	.....	.....	.....	.....	.....	.....	12															
2-0x2-10	20x14	6 ½x14	.....	6 ½x 7	.....	.....	.....	20x 7															
3- 2	16	16	.....	8	.....	6 21/32x 8	.....	8															
3- 6	18	18	.....	9	.....	9	.....	9															
3-10	20	20	.....	10	.....	10	.....	10															
4- 2	22	22	.....	11	.....	11	.....	11															
4- 6	24	24	.....	12	.....	12	.....	12															
4-10	26	26	.....	13	.....	13	.....	13															
5- 2	28	28	.....	14	.....	14	.....	14															
2-4x2-10	24x14	7 27/32x14	.....	7 27/32x 7	.....	.....	.....	24x 7															
3- 2	16	16	.....	8	.....	8x 8	.....	8															
3- 6	18	18	.....	9	.....	9	.....	9															
3-10	20	20	.....	10	.....	10	.....	10															
4- 2	22	22	.....	11	.....	11	.....	11															
4- 6	24	24	.....	12	.....	12	.....	12															
4-10	26	26	.....	13	.....	13	.....	13															
5- 2	28	28	.....	14	.....	14	.....	14															
2-8x2-10	28x14	9 5/32x14	.....	9 5/32x 7	.....	.....	.....	28x 7															
3- 2	16	16	.....	8	.....	.....	.....	8															
3- 6	18	18	.....	9	.....	.....	.....	9															
3-10	20	20	.....	10	.....	9 11/32x10	.....	10															
4- 2	22	22	.....	11	.....	.....	.....	11															
4- 6	24	24	.....	12	.....	12	.....	12															
4-10	26	26	.....	13	.....	13	.....	13															
5- 2	28	28	.....	14	.....	14	.....	14															
3-0x2-10	32x14	.....	7 13/16x14	.....	7 13/16x 7	.....	.....	32x 7															
3-10	20	.....	20	.....	10	.....	7 13/16x10	10															
4- 6	24	.....	24	.....	12	.....	12	12															
4-10	26	.....	26	.....	13	.....	.....	13															
5- 2	28	.....	28	.....	14	.....	14	14															
3-4x4- 6	36x24	.....	8 13/16x24	.....	8 13/16x12	.....	8 13/16x12	36x12															
4-10	26	.....	26	.....	13	.....	13	13															
5- 2	28	.....	28	.....	14	.....	14	14															
3-8x4- 6	40x24	.....	9 13/16x24	.....	9 13/16x12	.....	9 13/16x12	40x12															
5- 2	28	.....	28	.....	14	.....	14	14															

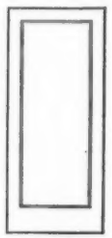
OTHER DESIGNS and SIZES of STOCK WINDOWS and SASH AVAILABLE

No attempt has been made in this catalogue to illustrate or list all of the designs and sizes of Ponderosa Pine Stock Windows and Sash that are available. On this and the following page are shown those that are most popular. For a complete listing of all standard sizes and designs, including one light sash, transoms and porch sash, write The National Door Manufacturers Association.

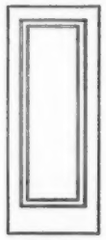
STOCK PONDEROSA PINE AND HARDWOOD VENEERED DOORS

Data by National Door Manufacturers Association

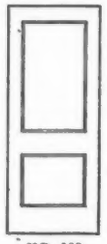
POPULAR PATTERNS OF INTERIOR DOORS



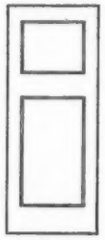
N.D. 100
ONE PANEL



N.D. 101
INNER FRAME

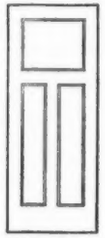


N.D. 102
TWO PANEL

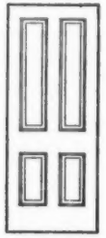


N.D. 103
TWO REVERSE PANEL

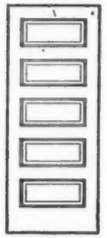
N.D. 104
TWO VERTICAL PANEL



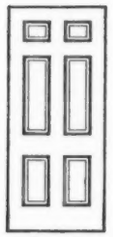
N.D. 105
THREE PANEL



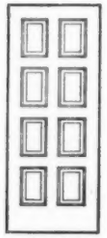
N.D. 106
FOUR PANEL



N.D. 107
FIVE PANEL



N.D. 108
SIX PANEL COLONIAL



N.D. 109
EIGHT PANEL

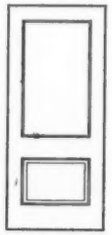
CONSTRUCTION DETAILS

Design No.	Stiles	Top Rail	Cross Rail	Lock Rail	Intermediate Rails	Mullions or Muntins	Bottom Rail	Panels
N.D. 100	4¾"	4¾"	.....	.....	.....	.....	9⅝"	Flat
N.D. 101	4¼" Face	4¼" Face	.....	.....	.....	.....	9¼" or 9½" Face	Flat
N.D. 102	4¾"	4¾"	.....	8"	.....	.....	9⅝"	Flat
N.D. 103	4¾"	4¾"	4⅝" or 8"	.....	.....	.....	9⅝"	Flat
N.D. 104	4¾"	4¾"	.....	.....	.....	4⅝"	9⅝"	Flat
N.D. 105	4¾"	4¾"	4⅝"	.....	.....	4⅝"	9⅝"	Flat
N.D. 106	4¾"	4¾"	.....	8"	.....	4⅝"	9⅝"	Raised
N.D. 107(1)	4¾"	4¾"	.....	.....	4⅝"	.....	9⅝"	Raised
N.D. 108(2)(3)	4¾"	4¾"	.....	8" or 9⅝"	3⅞" or 4⅝"	3⅞" or 4⅝"	8" or 9⅝"	Raised
N.D. 109(3)	4¾"	4¾"	.....	.....	3⅞" or 4⅝"	3⅞" or 4⅝"	9⅝"	Raised

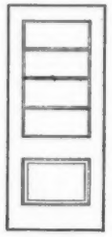
NOTES: (1) Doors 7'-6" and 8' high are made with 6 cross panels. (2) Height of Top Panels Overall 7⅛". (3) Doors 1'-8" and narrower are made 1 Panel Wide.
*Also for Exterior Use.

POPULAR SIZES				
2'-0" x 6'-0"	1'-6" x 6'-6"	2'-4" x 6'-6"	1'-6" x 6'-8"	2'-4" x 6'-8"
2'-4" x 6'-0"	1'-8" x 6'-6"	2'-6" x 6'-6"	1'-8" x 6'-8"	2'-6" x 6'-8"
2'-6" x 6'-0"	2'-0" x 6'-6"	2'-8" x 6'-6"	2'-0" x 6'-8"	2'-8" x 6'-8"
2'-8" x 6'-0"	2'-2" x 6'-6"	3'-0" x 6'-6"	2'-2" x 6'-8"	2'-10" x 6'-8"
3'-0" x 6'-0"	.....	.....	.....	3'-0" x 6'-8"

POPULAR PATTERNS OF EXTERIOR DOORS

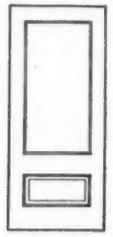


N.D. 500

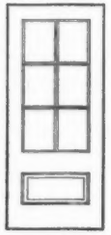


N.D. 506

Above 1 light design N.D. 500 can be divided as in Design N.D. 506 or other divisions are available as listed below:
N.D. 501— 6 lts., 2 w.
N.D. 502— 9 lts., 3 w.
N.D. 505—12 lts., 3 w.

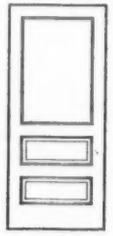


N.D. 507

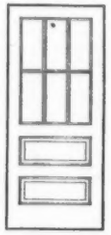


N.D. 508

Above 1 light design N.D. 507 can be divided as in Design N.D. 508 or other divisions are available as listed below:
N.D. 509— 9 lts., 3 w.
N.D. 510— 8 lts., 2 w.
N.D. 511— 9 marg. lts.
N.D. 512—12 lts., 3 w.

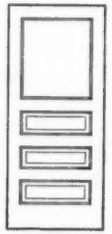


N.D. 514

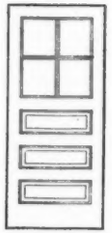


N.D. 516

Above 1 light design N.D. 514 can be divided as in Design N.D. 516 or other divisions are available as listed below:
N.D. 513— 3 hor. lts.
N.D. 515— 4 lts., 2 w.
N.D. 517— 9 lts., 3 w.
N.D. 519— 3 vert. lts.
N.D. 521—12 lts., 3 w.

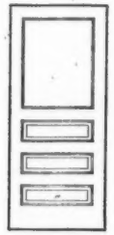


N.D. 530

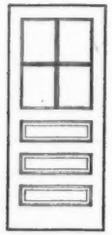


N.D. 531

Above 1 light design N.D. 530 can be divided as in Design N.D. 531 or other divisions are available as listed below:
N.D. 532—6 lts., 3 w
N.D. 533—3 vert. lts.

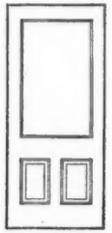


N.D. 537

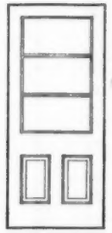


N.D. 538

Above 1 light design N.D. 537 can be divided as in Design N.D. 538 or other divisions are available as listed below:
N.D. 536—3 hor. lts.
N.D. 539—6 lts., 3 w.
N.D. 540—9 lts., 3 w.
N.D. 542—3 vert. lts.



N.D. 559



N.D. 563

Above 1 light design N.D. 559 can be divided as in Design N.D. 563 or other divisions are available as listed below:
N.D. 560—4 lts., 2 w.
N.D. 561—6 lts., 2 w.
N.D. 562—9 lts., 3 w.

CONSTRUCTION DETAILS

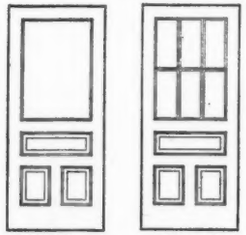
Design No.	Stiles	Top Rail	Cross Rail	Lock Rail	Intermediate Rails	Mullions or Muntins	Bottom Rail	Panels	Glass Size for 2'-8" x 6'-8" Door
N.D. 500	5½"	5½"	.....	8" or 9⅝"	.....	.....	9⅝"	Raised	22" x 40"
N.D. 506	5½"	5½"	.....	8" or 9⅝"	.....	.....	9⅝"	Raised	22" x 9⅝"
N.D. 507	5½"	5½"	.....	8" or 9⅝"	.....	.....	9⅝"	Raised	22" x 46"
N.D. 508	5½"	5½"	.....	8" or 9⅝"	.....	.....	9⅝"	Raised	10¾" x 15"
N.D. 514	4¾"	4¾"	.....	4⅝"	4⅝"	.....	9⅝"	Raised	23½" x 36"
N.D. 516	4¾"	4¾"	.....	4⅝"	4⅝"	.....	9⅝"	Raised	7½" x 17¾"
N.D. 530	4¾"	4¾"	4⅝"	.....	.....	.....	9⅝"	Raised	23½" x 26"
N.D. 531	4¾"	4¾"	4⅝"	.....	.....	.....	9⅝"	Raised	11½" x 12¾"
N.D. 537	4¾"	4¾"	4⅝"	.....	.....	.....	9⅝"	Raised	23½" x 30"
N.D. 538	4¾"	4¾"	4⅝"	.....	.....	.....	9⅝"	Raised	11½" x 14¾"
N.D. 559	4¾"	4¾"	.....	8"	.....	4⅝"	9⅝"	Raised	23½" x 40"
N.D. 563	4¾"	4¾"	.....	8"	.....	4⅝"	9⅝"	Raised	23½" x 13"

POPULAR SIZES: Nos. N.D. 500, 506, 507, 508, 514, 516 are 2'-8" x 6'-8", 3'-0" x 6'-8", 3'-0" x 7'-0"
Nos. N.D. 530, 531, 537, 538, 559, 563 are 2'-6" x 6'-6", 2'-8" x 6'-8", 3'-0" x 6'-8", 3'-0" x 7'-0"

STOCK PONDEROSA PINE AND HARDWOOD VENEERED DOORS

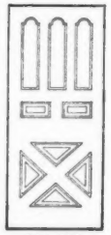
Data by National Door Manufacturers Association

POPULAR PATTERNS OF EXTERIOR DOORS



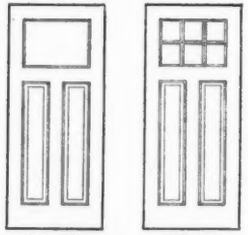
N.D. 567 N.D. 569

Above 1 light design N.D. 567 can be divided as in Design N.D. 569 or other divisions are available as listed below:
N.D. 568—4 lts., 2 w.
N.D. 570—9 lts., 3 w.



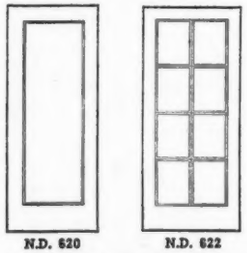
N.D. 608

POPULAR SIZES
Nos. N.D. 567, 569
2'-6" x 6'-6", 2'-8" x 6'-8", 3'-0" x 6'-8", 3'-0" x 7'-0"
Nos. N.D. 591, 594, 608
2'-8" x 6'-8", 3'-0" x 6'-8", 3'-0" x 7'-0"



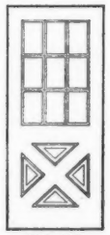
N.D. 591 N.D. 594

Above 1 light design N.D. 591 can be divided as in Design N.D. 594 or other divisions are available as listed below:
N.D. 592—3 vert. lts.
N.D. 593—4 vert. lts.
N.D. 595—8 lts., 4 w.



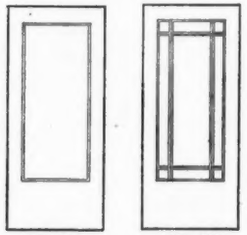
N.D. 620 N.D. 622

Above 1 light design N.D. 620 can be divided as in Design N.D. 622 or other divisions are available as listed below:
N.D. 623— 9 marg. lts.
N.D. 624— 9 lts., 3 w.
N.D. 625—10 lts., 2 w.
N.D. 626—12 lts., 3 w.
N.D. 627—15 lts., 3 w
N.D. 630— 5 hor. lts.



N.D. 612

POPULAR SIZES
Nos. N.D. 620, 622
2'-0" x 6'-8", 2'-6" x 6'-8", 2'-8" x 6'-8"
3'-0" x 6'-8", 3'-0" x 7'-0"
Nos. N.D. 612, 635, 638
2'-8" x 6'-8", 3'-0" x 6'-8", 3'-0" x-7'-0"



N.D. 635 N.D. 638

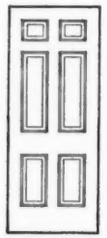
Above 1 light design N.D. 635 can be divided as in Design N.D. 638 or other divisions are available as listed below:
N.D. 636— 3 vert. lts.
N.D. 637— 8 lts., 2 w.
N.D. 639— 9 lts., 3 w.
N.D. 640—10 lts., 2 w.
N.D. 641—12 lts., 3 w.
N.D. 642—15 lts., 3 w.
N.D. 644— 5 hor. lts.

CONSTRUCTION DETAILS

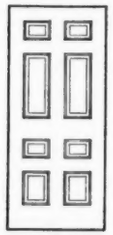
Design No.	Stiles	Top Rail	Cross Rail	Lock Rail	Intermediate Rails	Mullions or Muntins	Bottom Rail	Panels	Glass Size for 2'-8" x 6'-8" Door
N.D. 567	4¾"	4¾"	4⅝"	.....	.....	4⅝"	9⅝"	Raised	23½" x 34"
N.D. 569	4¾"	4¾"	4⅝"	.....	.....	4⅝"	9⅝"	Raised	7½" x 16¾"
N.D. 591(1)	4¾" or 5½"	4¾" or 5½"	4⅝" or 5⅜"	.....	.....	4⅝" or 5⅜"	9⅝"	Raised	22" x 18"
N.D. 594(1)	4¾" or 5½"	4¾" or 5½"	4⅝" or 5⅜"	.....	.....	4⅝" or 5⅜"	9⅝"	Raised	7" x 8¾"
N.D. 608(2)	4¾"	4¾"	4⅝"	9⅝"	.....	4⅝"	8¾"	Raised	6⅛" x 26⅞"
N.D. 612(3)	5½"	5½"	.....	7"	.....	5⅜"	8¾"	Raised	7" x 12"
*N.D. 620	4¾"	4¾"	.....	.....	.....	....	9⅝"	.....	23½" x 66½"
*N.D. 622	4¾"	4¾"	.....	.....	.....	....	9⅝"	.	11½" x 16¼"
N.D. 635(4)	5½"	6½"	.....	.....	.....	.....	18½"	.....	22" x 56"
N.D. 638(4)	5½"	6½"	.....		.....	.	18½"	.....	5" x 5" (Cor. lts.)

NOTES: (1) Glass sizes shown are for doors with 5½" stiles. (2) Panel thickness ¾" or 1⅛" Bars between glass 3½". (3) Panel thickness ¾" or 1⅛". (4) Stiles in doors over 3'-0" wide are 6½"
*Also for Interior Use.

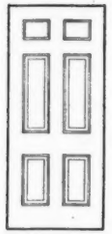
POPULAR PATTERNS OF EXTERIOR DOORS



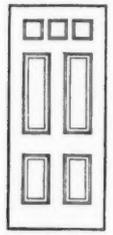
N.D. 110 SIX PANEL COLONIAL



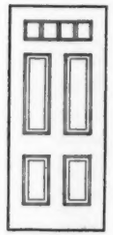
N.D. 112 EIGHT PANEL COLONIAL



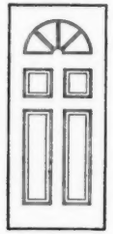
N.D. 596



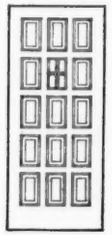
N.D. 597



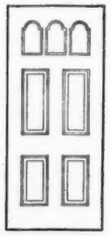
N.D. 598



N.D. 600

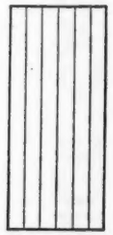


N.D. 605



N.D. 606

PLAIN FLUSH



FLUSH "V" GROOVED

POPULAR SIZES: 2'-8" x 6'-8", 3'-0" x 6'-8", 3'-0" x 7'-0"

CONSTRUCTION DETAILS

Design No.	Stiles	Top Rail	Cross Rail	Lock Rail	Intermediate Rails	Mullions or Muntins	Bottom Rail	Panels	Glass Size for 2'-8" x 6'-8" Door
N.D. 110(1)	5½"	5½"	....	8" or 9⅝"	5⅜"	5⅜"	8" or 9⅝"	Raised	.....
N.D. 112(2)	5½"	5½"	....	8" or 9⅝"	5⅜"	5⅜"	8" or 9⅝"	Raised	.....
N.D. 596	5½"	5½"	5⅜"	8" or 9¾"	....	5⅜"	9⅝"	Raised	6¾" x 7⅛"
N.D. 597(3)	5½"	5½"	5⅜"	8" or 9¾"	....	5⅜"	9⅝"	Raised	5¾" x 7⅛"
N.D. 598(4)	5½"	5½"	5⅜"	8" or 9¾"	....	5⅜"	9⅝"	Raised	5⅛" x 7⅛"
N.D. 600	5½"	5½"	Top 5⅜"	.....	4⅜"	4⅝"	9⅝"	Raised	22" x 11"
N.D. 605	4¾"	4¾"	2⅜"	.....	....	2⅝"	9⅝"	Raised	6¾" x 11⅞"
N.D. 606(5)	5½"	5½"	5⅜"	8" or 9¾"	....	5⅜"	9⅝"	Raised	6 3/16" x 9"
Flush Plain	If desired, light openings may be cut in these doors to suit wishes of purchaser.								
Flush "V" Grooved	If desired, light openings may be cut in these doors to suit wishes of purchaser.								

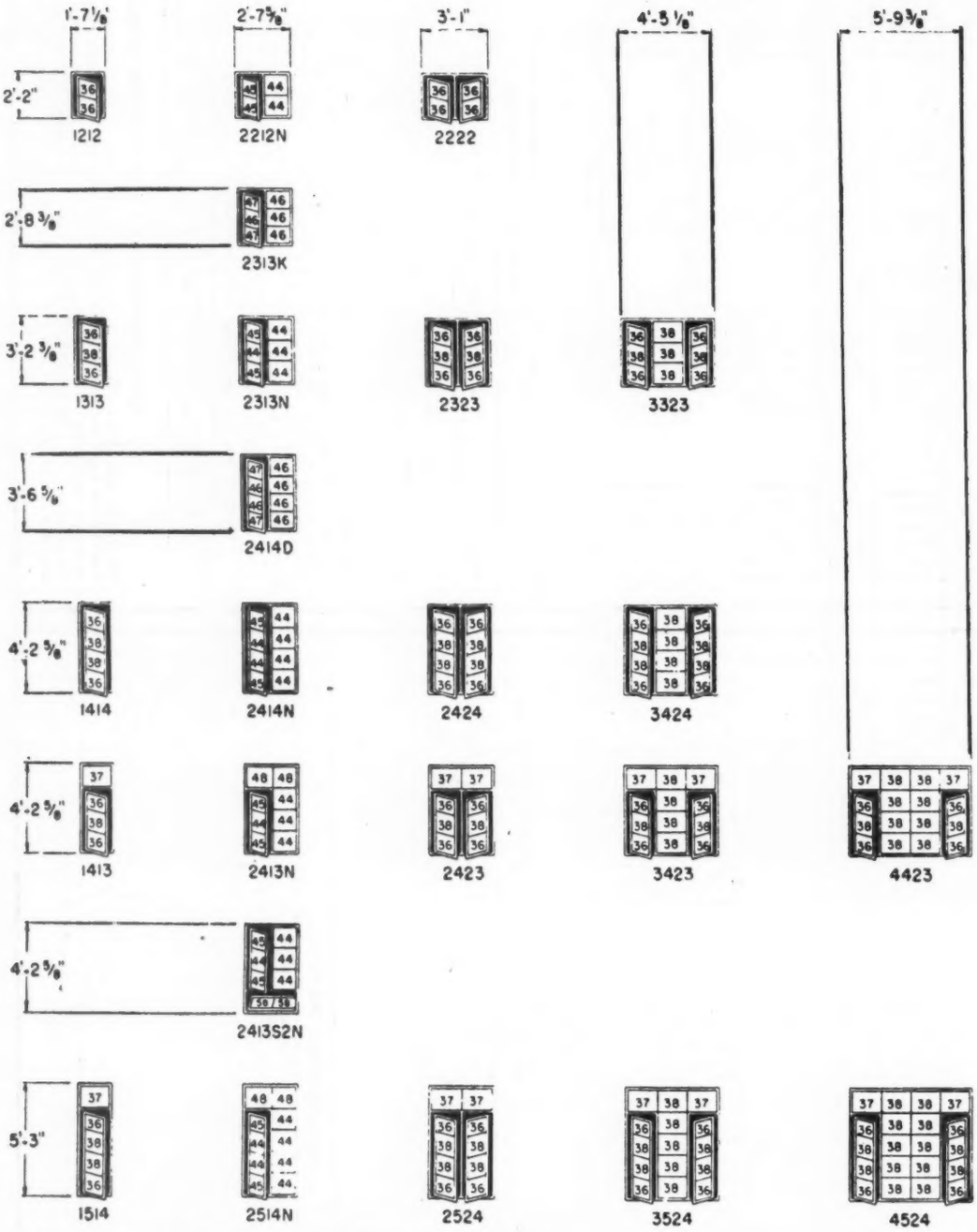
NOTES: (1) Panel thickness ¾". Height of top panel over-all 7⅛". (2) Panel thickness ¾" Height of small panels over-all 6⅞" or 7⅛". (3) Bars between glass 3½". (4) Bars between glass 1½". (5) Bars between glass 1½" to 3½"

OTHER PONDEROSA PINE STOCK DOORS AVAILABLE

No attempt has been made in this catalog to illustrate all the types and patterns of Ponderosa Pine standard stock doors that are available. Only the more popular patterns of interior doors, exterior doors and combination doors are shown. For data on other types and designs, including garage doors, cupboard doors, storm doors, toilet doors, blind or summer doors and sidelights write the National Door Manufacturers Association, 322 South Michigan Avenue, Chicago 4, Illinois.

METAL RESIDENCE CASEMENTS

Types and Sizes Approved by the Metal Window Institute to Conform to Postwar Modular Coordination in Building Design.



Additional types and sizes available in states of Washington, Oregon, Idaho, California, Arizona, Utah and Nevada.

GLASS SCHEDULE		
MARK	W	H
36	16	11 5/16
37	17 1/4	12
38	16	12
44	14	12
45	14	11 5/16
46	14	10
47	14	9 5/16
48	14 3/4	12
49	12	12
58	14	10 3/8
T	TEMPLATE	

ALL TYPES SHOWN ARE FURNISHED IN FIXED TYPES.

All ventilators swing out (except the sill vent shown) and are furnished with either Lever or Roto type underscreen hardware, permitting the opening of the screened window without touching screens.

Sizes shown are window dimensions. For opening dimensions of single units add 1/4". When more than one unit is used for a multiple window opening add actual unit dimensions plus 1/4" for each mullion used, and 1/4" to total thus arrived.

Indicate by suffix L or R whether ventilators are left or right hand. All casements are viewed from outside. Handing is determined by location of hinges. A left hand casement will have hinges on left when viewed from outside.

All windows to be set in mastic furnished by window erector.

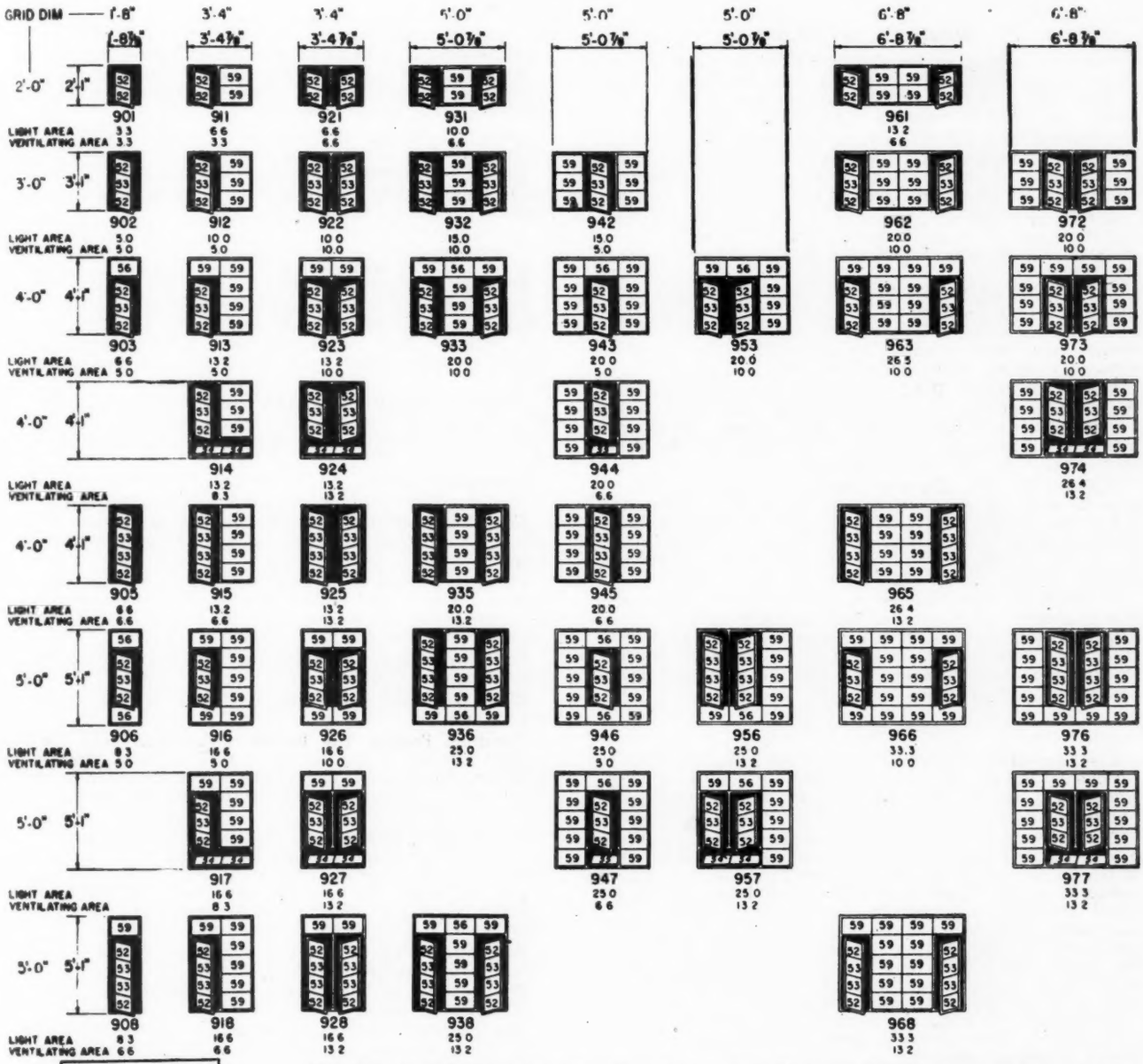
Units shown are standard warehouse types in fixed and ventilated types. Vertical muntins will be furnished at slight extra cost, but as factory shipment only.

Courtesy Ceco Steel Products Corp.

METAL HOUSING CASEMENTS

Types and Sizes Approved by the Metal Window Institute to Conform to Postwar Modular Coordination in Building Design.

"Housing Casements" are intended primarily for multiple-family structures where a large number of window units are used.



GLASS SCHEDULE		
MARK	W	H
52	18	11
53	18	11 5/8
54	18 3/4	10 3/8
55	17 7/8	10 3/8
56	19 5/8	11 5/8
59	19 5/8	11 5/8

Side hinged ventilators swing out and are furnished with friction hinges.

Sill ventilators tilt in.

All ventilators are furnished with cam acting locking handles.

Indicate by suffix L or R whether side hinged ventilators are left or right hand. All casements are viewed from outside. Handing is determined by location of hinges. A left hand casement will have hinges on left when viewed from outside.

All windows to be set in mastic furnished by window erector.

Light and ventilating areas are arrived at by use of nominal glass sizes.

Grid lines and grid dimensions are indicated in red for the convenience of designers using the modular system.

Courtesy Ceco Steel Products Corp.

Typical Specification for a House

Careful preparation of a set of specifications to accompany the blue prints for any house construction job is very important, not only to the customer but to the dealer, the contractor and the superintendent on the job. The type and quality of materials to be used, how they are to be applied, the quality of workmanship and other details that cannot be incorporated in the working drawings should be set forth completely in a set of specifications. The set of specifications, along with blue prints, should be a part of all contracts for construction in order to assure satisfaction to the customer. Misunderstandings over materials and their application can often lead to serious difficulties culminating in costly court actions unless all details are set forth and agreed to by all parties.

Reproduced here is a typical set of specifications for a house construction job. These were prepared by Gilbert Townsend and J. Ralph Dalzell, of the American Technical Society, Chicago, Ill. Where the word (specify) appears a brand name or the name of a manufacturer would appear in the actual specification.

GENERAL CONDITIONS

The latest edition of the standard form of "General Conditions of the Contract" published by the American Institute of Architects shall be understood to be a part of this specification, and shall be adhered to by this Contractor.

EXAMINATION OF SITE. It is understood that the Contractor has examined the site and is familiar with all the conditions which might affect the execution of this contract and has made provision therefore in his tender.

TREES, SHRUBBERY AND LAWNS shall be carefully protected by the General Contractor from injury which might result from any operation connected with the execution of this contract.

ALL WATER which may be required by all trades in connection with the execution of this contract shall be provided and paid for by the General Contractor, who shall make connection to water mains and provide, install and maintain necessary piping, meter, hose bibb, etc.

Any TEMPORARY HEAT which may be necessary during the progress of the work of this contract shall be provided by the General Contractor, who shall supply, install and maintain all necessary apparatus and shall provide at his own expense all fuel and attendance.

CLEANING. The General Contractor shall periodically remove from the building and premises all rubbish and debris and at the completion of the work he shall leave the entire building and premises broom clean, all glass washed clean and all wood and plaster work of walls and ceilings brushed clean and free from stains or discoloration.

GUARANTEE. The acceptance of this contract carries with it a guarantee on the part of the Contractor to make good any defects in the work of the building arising or discovered within two years after completion and acceptance of same by the Architects, whether from shrinkage, settlement or faults of labor or materials.

LANDSCAPING

The Excavation Contractor is required under his work to remove all top soil from the area to be excavated and set same aside during the excavation and then regrade with rough excavation, using the top soil for the finished grades.

The Landscape Contractor is to supply and lay finished grass sodding of two feet in width around the exterior walls of the house and along sidewalk, walks and driveways, as indicated on the "Block Plan." Grass sodding to be of the usual character and quality used in this locality. This Contractor shall then prepare and seed with good quality lawn seed all ground areas indicated for grass seeding on the Block Plan. This Contractor shall construct concrete wheel strips from sidewalk to garage, strips to be 15 inches wide, 6 inches thick, of 1-2-4 concrete, laid on 8 inches of broken stone. He shall also include in his work the cost of alterations to City sidewalks necessitated by the construction of driveway ramps.

DRIVE. This Contractor shall construct driveway from garage door to street pavement 15 feet wide, of at least 4-inch depth of approved road gravel.

FRONT WALK. This Contractor shall construct walk from front entrance door to street of flagstone 3 feet wide set in concrete. Flagstones to be of irregular shape, flat 3-inch thick stone, selected for color.

EXCAVATION AND MASONRY

The General Conditions form part of this specification.

Do all Excavation work required for walls, pits, piers, steps, chimneys and basement and garage, porches, areas, etc., to approved bottoms, also all digging for drains and water piping and do all back-filling and grading.

All top soil to be set aside for finished grading and other excavated material is to be graded on the site as directed. Do the finished grading with the top soil.

BACKFILL around all walls, piers and drains with excavated materials, to finished grades, well tamped down.

Construct FOOTINGS extending 4 inches on both sides of all foundation walls and at least 8 inches thick of mass concrete composed as follows:

1 part Portland cement
2 parts clean sand
4 parts broken stone, up to 2 inches in size.
Footings for chimneys to be similar.

Gravel may be used as aggregate for mass concrete, provided it is clean and entirely free from loam or other foreign matter. Plum stones may be used, provided they are clean, not too numerous and of suitable size and carefully placed.

Construct BASEMENT WALLS of approved concrete block. Form basement window sills and other caps and sills of cement. Finish outside of basement walls with cement mortar, one inch thick.

Waterproof exterior of all basement walls below grade with one coat of (specify) or equal distilled coal tar.

Construct **Areaways** complete with walls 6 inches thick of concrete, similar to footings and 8-inch deep gravel bottoms.

Construct **Cistern** walls and floors and removable top six feet in diameter and eight feet deep of concrete similar to footings, but waterproofed with asphaltum and guaranteed watertight.

Furnish and lay crock rainwater lines cemented together, discharging into cistern.

Walls and floor to be 8 inches thick. Plum stones may not be used.

Construct **Footing Tile Drains** of four-inch field tile all around outside of all basement wall footings, pitched to drain and run to an 18-inch vitrified crock tile sump in basement with a concrete cover and iron ring, all by this Contractor complete.

For **Concrete Floors** of all porches and outside platforms and in basement and garage, the ground is to be levelled and tamped down hard and filled in with broken stone and brick bats to form base for concrete floor. Lay down 4-inch concrete floor with cement mortar Monolithic finish trowelled smooth and graded to drain as indicated.

Build foundation for furnace of 8-inch concrete slab, finished as specified for floors.

Garage floor to have reinforcing mesh and to drain to doors with no sump.

BRICKWORK. Build interior wall surfaces of garage, chimney above roof line and other parts indicated as brick of approved selected common brick. Unexposed brickwork to be good sound common brick to be selected costing not more than 24 dollars per thousand. Build facings and front hearths to the two fireplaces of face brick to be selected costing not more than 50 dollars per thousand and back hearths of fire brick.

Construct **Chimney** of sound common brick with terra cotta flue linings of sizes indicated on plans, flushed solid with cement mortar around joints to make gas tight; chimney to have four flues—one for each fireplace, one for heating plant, and one for hot-water heater. Chimney to be independent of any framing.

Mortar for brickwork to be one to two lime mortar, except

for porch edgings, fireplace hearths and chimney above roof, where one to three cement mortar with 20% lime shall be used.

Construct rough **Fireplaces** of common brick and furnish and install dampers, back hinged with concealed control of sizes as shown or as directed.

MASON'S IRONWORK. All structural and reinforcing steel and all miscellaneous and ornamental steel and iron and metal work required shall be furnished and set by this subcontractor. All shall be delivered shop-painted one coat and shall be thoroughly insulated with paint against corrosion before and after installation, except reinforcing steel.

BASEMENT SASH shall be furnished and set by this subcontractor. They are to be (specify) and completely equipped with standard stock hardware as catalogued and with flat metal bronze wire screens.

CARPENTRY

SCOPE OF WORK. This branch of the work comprises furnishing and setting all rough and finished woodwork necessary to properly complete the building, as specified and indicated on the drawings, together with other materials and work specified hereinafter.

ROUGH HARDWARE. This Contractor shall provide all nails, screws, bolts, hangers, etc., and other rough hardware necessary for securing all rough and finished woodwork. He shall also provide and set any other hardware specified herein, exclusive of the finished hardware.

FINISH HARDWARE AND FLY SCREENS. This Contractor shall allow and carry in his price $125 for the purchase price only of finishing hardware and $75 for window screens and screen doors, which will be selected. He shall install this hardware and the window and door screens as part of his contract.

ALLOWANCES. Where sums of money are mentioned in this specification as "Allowances," it shall be understood that they are to be used for the purchase price only of the items selected and that no part of these allowances is for Contractor's overhead or profit. Any unexpended residue of these allowances shall revert to the Owner as a credit.

INSULATION. All flat and sloping second-floor ceiling surfaces and floor of room over garage shall be insulated with a 0-inch standard bat type insulating material. All exterior walls in first and second story including front and cheek walls of all dormer windows shall be insulated with 0-inch quilt type insulation, installed so as to form two dead air spaces. This is to include all walls between floors or ceilings of storage spaces, not otherwise insulated, shall be insulated with 0-inch fiber board equal to (specify). All insulation materials shall be furnished and installed by this sub-contractor.

ROUGH LUMBER shall be new, "B" and better (specify species), except floor joists, which shall be No. 1 Dense (specify species) 2-inch x 10-inch; ceiling joists, 2-inch x 6-inch; rafters, 2-inch x 6-inch; studs, 2-inch x 4-inch; all joists, rafters and studs, 16-inch centers; roof boards, 7/8-inch x 8-inch; boards under metal decks, 7/8-inch x 6-inch dressed and matched; sheathing attic flooring and sub-flooring shall be No. 2 (specify species) laid diagonally, sub-flooring 7/8-inch x 6-inch boards, sheathing and attic floor 7/8-inch x 8-inch shiplap.

BUILDING PAPER black, waterproof, shall be used to cover all sheathing.

SIDING shall be bevelled No. 1 (specify species).

PORCH CEILINGS shall be covered with 5/8-inch x 4-inch pine.

SHINGLES for all roofs shall be (specify grade, brand name and how to be laid).

EXTERIOR MILLWORK. Materials for exterior millwork are to be as indicated on the drawings. Where (specify wood species) is called for, it shall be (specify grade). Furnish and install all cornices, beams, louvers, porch finish, etc., as shown. Certain items of millwork are indicated by manufacturers' catalog numbers, and these shall be furnished as illustrated and described in the catalog. All members shall be 7/8 inches thick, except beam boxes of porches, porch columns, frieze and rake members of cornices, which shall be 1 1/2 inches thick, unless otherwise indicated on the drawings.

WINDOWS. Furnish and set frames, sash and trim for all windows as shown on the drawings. Unless otherwise detailed, sash to be 1 3/8 inches thick. All double-hung windows shall be fully equipped with sash balances and accessories equal to (specify) and shall be of non-stick type. All casement windows shall be of approved manufacture equal to (specify manufacturer) and of genuine (specify wood species).

WINDOW SHUTTERS shall be 1 1/8 inches thick, of designs indicated on the drawings, in (specify wood species).

EXTERIOR DOOR FRAMES shall be 1 3/4 inches thick, rabbeted with 1 1/8-inch outside casings of (specify wood species).

EXTERIOR DOORS shall be 1 3/4 inches thick stock of designs and materials as indicated.

INTERIOR DOOR FRAMES shall be 7/8 inches thick of material to match interior finish.

INTERIOR DOORS shall be 1 3/8 inches thick for wood paneled doors and 1 3/4 inches thick for glazed doors. Doors indicated as hardwood on the drawings shall have veneered stiles and rails; softwood doors to have solid veneer panels. Special doors shall be as detailed, others to be stock doors of design and materials as indicated. Doors in basement to be stock paneled doors as shown. Miscellaneous doors for access to roof spaces, cabinets and clothes chute shall be birch paneled 1 1/8-inch thick.

INTERIOR TRIM shall be of (specify wood grade and species) and of stock design, as may be selected, unless material or detail of trim is otherwise indicated on the drawings. In general it shall be as follows:—

CASINGS: 3/4 inch by 3 1/2 inches similar to (specify manufacturer and No.).

Stops: 1/2-inch by 1 3/8-inch or wider as required, similar to (specify manufacturer and number). Window stops secured with stop screws and washers.

BASE: 5/8-inch by 4 1/4-inch moulded with 1/2-inch by 3/4-inch (specify species) shoe mould.

BASE IN STAIR HALLS: 7/8-inch thick to match stair strings.

WINDOW STOOLS: 3/4-inch thick, moulded, (specify species and grade).

APRONS: 5/8-inch by 2 1/2-inch moulded.

PICTURE MOULD: 3/4-inch by 3 1/4-inch stock moulded all around Kitchen and Toilet.

CHAIR RAIL: As may be indicated on drawings.

CORNICE: As may be indicated on drawings.

All interior wood finish, cabinets, doors, etc., shall be hand-smoothed by the carpenter. All joints shall be butted and coped, all running lengths mitered out.

KITCHEN CABINETS shall be built up on job by the Carpenter from material to be purchased by him from the Mill, worked and sized ready for assembly. Cabinet to be of standard construction and equipment of design equivalent to that shown on the drawings. All doors and drawers to be built up in the Mill and to be flush with fronts. Doors of 7/8-inch plywood. Drawers to have all members jointed together. All counter tops to be of plywood prepared for reception of linoleum. Moulding boards to be of (specify).

All members to be 7/8 inches thick with plain wood ends. Backs to be plaster unless otherwise shown. Shelves to be (specify) adjustable on metal ratchet strips. Cabinet ends routed out to receive same. Upper cabinets supported from ceiling construction on hanging rods installed by the carpenter.

REFRIGERATOR CASINGS shall be loose members screwed in place.

LINEN CABINETS shall consist of a three-drawer lower unit 42 inches high with three 24 inch wide shelves above. Door and jambs and casings to be same as typical room door.

MEDICINE CABINETS to be (specify) or similar and equal design with three adjustable glass shelves, all furnished and set complete by the carpenter.

CLOSETS AND WARDROBES to have hook strip, two rows of 7/8 inch by 12 inch shelving and one or two (specify species) clothes poles running length of space. Fruit storage room in basement to have six rows of 1 inch by 12 inch shelving strongly supported. All furnished and set by the carpenter.

BASEMENT PARTITIONS all to be of 5/8 inch by 6 inch dressed and matched (specify species) nailed vertically over 2x4 studding unless indicated otherwise on the drawings.

MAIN STAIRS: including stair first floor to basement shall be purchased knocked down from the Mill by the Carpenter and erected complete by him with well finish, floor nosings, rail bolts and brackets, etc. Treads, nosings, newels and handrails shall be of (specify species and grade) and other items of (specify species and grade) unless otherwise indicated on the drawings. Treads 1 1/8 inches thick with mould beneath. All other items 7/8 inches thick. Where

no balustrade is indicated, carpenter shall provide 1¾ inch plain round (specify species) handrails both sides of stair.

Strings, risers and treads housed together. Balustrades dovetailed or dowelled to treads and floor nosings. Newels housed to stair units. Strings moulded to miter with base. Rails to have easements, goosenecks, and quarter-turn-members at all changes of direction.

MANTELS, SPECIAL CABINETS AND SPECIAL ROOM TREATMENTS. See drawings for indication of design and other requirements. Cabinets built up in Mill. Bookshelves to be of Whitewood and adjustable on countersunk metal ratchet strips.

LIVING ROOM TREATMENT. Paneling shall be of knotty (specify) boards of widths required, selected for uniform spacing and size knots. All knots sound. Each joint shall be covered with a ⅝-inch by 1⅛-inch batten strip with chamfered or moulded edges. Mantel shall be built in Mill to detail, using 1⅛-inch front material with loose mould to brick facing. Shelf 1⅜-inch thick moulded. Brackets 1⅛ inches thick sawed to detail. All mantel items jointed together and all work sanded and finished in Mill. Beam and brackets shall be built up of 1⅜-inch thick members, dowelled and glued together. Doors indicated shall have V-cut ceiling panels with plain veneer panels on opposite side. Cabinets shall have wood ends routed out to receive ratchet strips and wood backs. Shelving shall be adjustable on metal ratchet strips.

LATHING AND PLASTERING

Note: Except as otherwise specified herein, all work shall conform to the latest edition of standard specifications for lathing and plastering work as adopted and recommended by the Contracting Plasterers' International Association for "first class work."

All metal lath, wire fabric, etc., shall be supported and secured strictly in accordance with manufacturers' directions. All plastering materials shall be prepared and applied strictly according to the recommendations of the manufacturers.

SCOPE OF WORK. The entire building (except garage) from basement ceiling lines to attic floor lines, including basement ceiling and all walls and ceilings enclosing stairs shall be plastered two-coat work with Gypsum plaster finished with a coat of white lime putty. All walls and ceilings enclosing Hall 4 in the Basement and the stair from the hall up to first floor shall be plastered. Provide and install plaster backing as follows: (specify) for all outside walls and (specify) lath for all interior walls, (specify) lath for all ceilings, including garage ceiling and for all bathroom and toilet room walls. No plastering will be required in the second-floor closet which is to be cedar-lined, and no plastering on basement walls, except as specified above for Hall 4 and stair enclosure. Garage ceiling shall be plastered with Portland cement plaster on (specify) lath, three-coat work. Clothes chute in toilet room shall be framed around with (specify) lath and plastered.

GUARANTEE. All plastering shall be guaranteed for a period of eighteen months after completion against such cracking, popping or such other defects as may be directly due to materials and workmanship either in plaster backing, lathing or plastering.

SHEET METAL WORK AND ROOFING

The "General Conditions" form a part of this specification.

SCOPE OF WORK. This branch of the work comprises furnishing and setting of all sheet metal, roofing and flashing necessary to properly complete the building, as specified and as indicated on the drawings. See Carpentry Specification for wood shingled roofs.

MATERIALS. All flashings, valleys, gutters, downspouts and miscellaneous items of sheet metal work shall be of 26 gage Standard Galvanized Iron.

All metal-covered roofs and decks and other tin work called for shall be (specify manufacturer) best roofing tin (I.C. thickness). All nails shall be heavily galvanized.

ROOFS AND DECKS shall be covered with sheets of single-lock flat-seam construction underlaid with approved water-proof felt in accordance with tin manufacturers' instructions. Turn down metal at all edges and roll back at least ½ inch forming a drip. Form water deflector of rolled metal one inch high at all edges of roofs as directed.

GUTTERS shall be placed at all eaves of shingled roofs and of metal roofs where shown. Gutters shall be 5-inch half-round stock pattern single bead type with end caps unless otherwise shown, hanging free on adjustable galvanized steel bar hangers equal to (specify), spaced not over five feet apart.

DOWNSPOUTS shall be placed as indicated from all gutters and shall be stock design 4 inches plain round, complete with all required bends and offsets and secured to building with at least two galvanized iron supports to each downspout.

FLASHINGS shall be installed at all intersections of roofs with vertical surfaces. Base flashings 8 inches high and extending 4 inches onto roofs. Cap flashings shall extend over base flashings 4 inches. Step flashings shall lap 3 inches.

VALLEYS shall be nailed at top only or secured with metal cleats.

Where valleys or flashings come in contact with metal roofs or decks, they shall be locked and soldered to them.

SPECIAL FLASHINGS for dormer sills resting on roofs shall be carried to backs of sills and to ends and turned up 1 inch all around forming a metal pan in each case.

METAL-COVERED DOORS and frames shall be purchased by this Contractor from an approved Mill and installed complete by him for all door openings from garage to main building or to entries or porches. They shall be covered with sheet metal laid over heavy sheet asbestos and built in strict accordance with rules of National Board of Fire Underwriters. Metal shall be run ¾ inch on door edges and shall run to back of rabbet on frame. All edges turned back ½ inch and nailed. All seams locked and soldered.

CLOTHES CHUTE. A 12-inch diameter round clothes chute of 26 gauge galvanized iron running from second floor to laundry in basement shall be furnished and installed by this Contractor. Form breechings at all doors fitting same back of jambs, heads and sills and line inside of all doors with sheet metal rolled and soldered.

TIN DRAWER LINING for one drawer in Kitchen shall be furnished and installed by this Contractor, made removable, seamed and soldered. Top edges flanged into drawer rabbets and turned back ½ inch.

PAINTING. All exterior sheet metal work of every kind, including gutters and downspouts, shall be given one heavy coat of red lead paint on all exposed surfaces by this Contractor after proper cleaning.

GUARANTEE. The "guarantee" clause in the General Conditions applies particularly to this trade as well as to others, but the period of the guarantee for this trade shall be three years instead of two.

LINOLEUM

See General Conditions which form a part of this specification.

SCOPE OF WORK. This Contractor shall furnish and lay linoleum on floors and walls as follows: Floors of Kitchen and Toilet and kitchen walls shall be covered with "B" grade (specify) linoleum with cove base. Cove strip to be provided by this Contractor.

All junctions between horizontal and vertical surfaces shall be coved. Linoleum shall run up wall under sink and run between counters and upper cabinets in kitchen. Wall linoleum where it does not terminate under upper cases shall carry through at same elevation as bottom of cases. Colors and patterns to be as selected by the Architect.

For all floors lay ⅛ inch thick 1½ pound deadening felt, which shall be cemented to the floor. Linoleum to be cemented to the felt. Felt and linoleum shall be properly rolled in place and linoleum shall be weighted down with sand bags. Intersections of linoleum and other floor materials shall be made with 16 gauge 1 inch wide brass threshold strips. All felt, cement and workmanship shall be in accordance with manufacturers' recommendations.

MARBLE AND TILE

This Contractor shall carefully read the General Conditions because they form a part of these specifications. All tile work shall be according to "Basic Specifications for Tile Work," latest edition issued by the Associated Tile Manufacturers, Beaver Falls, Pennsylvania, insofar as it reasonably applies to this work. Thresholds to be full width of jambs extending to back of jambs.

SCOPE OF WORK. This work shall consist of the furnishing and setting in place complete of tile floors and slate thresholds for the vestibule and tile floors, marble thresholds, tile walls, tile base and built-in tile accessories for the Bathroom, all in accordance with the following:

SCHEDULE.

Vestibule Floor. Selected 4-inch by 4-inch "NEMADJI" tile in full color range as may be selected with 3/8-inch joints. Thresholds 7/8-inch slate.

Bathroom Floor. Selected 4 1/4-inch by 4 1/4-inch bright white glazed wall tiles with standard joints. Internal corners square. External angles A-1632. Tile six feet high along back and both ends of tub to a point 3 inches beyond front of tub and four feet high for all other wall surfaces. Wall cap same as wall tile A-4260 with external angles A.C. 4200. Up corners A.M. 4220. Down corners A.N. 4200. Black insert strip 3/4-inch wide one tile away from cap all around all walls. Base A. 3310 of same tile as floor tile, outside angle A.C. 3310.

BUILT-in Accessories to match wall tile in color and shade and to be submitted for approval before building in.

ONE 6 inch by 4 1/4 inch self-draining recessed combination soap holder and grip

ONE 6 inch by 4 1/4 inch recessed soap holder

ONE 6 inch by 6 inch recessed soap holder

ONE 6 inch by 6 inch recessed tumbler holder

ONE 6 inch by 6 inch recessed toilet paper holder, plain roller, no hood

ONE 18 inch white glass shelf bolted to tile dowel-back brackets

ONE 18 inch square Pyralin finish towel bar with tile dowel-back posts

ONE 24 inch square Pyralin finish towel bar with tile dowel-back posts.

PAINTING AND FINISHING

See General Conditions which form a part of this specification.

SCOPE OF WORK. This work shall consist of the painting and finishing of all surfaces throughout the building, both interior and exterior, which usually are painted or finished whether or not every item is herein specifically mentioned.

PREPARATION AND WORKMANSHIP. No exterior painting shall be done when the surfaces are cold or wet nor in rainy or freezing weather. All knots, sap and pitch streaks in painted work shall be primed and in stained work shall be shellacked before painters' finish is applied. All checks and nail holes shall be puttied flush with surface and then sandpapered smooth. All surfaces shall be perfectly smooth, clean and free from sandpaper marks. All surfaces of interior finished work shall be sanded after first coat and before last coat. Upper and lower edges of all doors and sash and side edges of all doors shall be finished the same as other portions of these items after being fitted. Side edges of wood sash shall be oiled. No spots shall be left on glass, hardware or other finished work. All hardware except butts shall be placed and then removed before painters' finish is applied.

MATERIALS. All materials shall be subject to the approval of the Architect, and where special finishes are specified shall be used in strict accordance with the manufacturers' directions.

PAINTS shall be properly mixed according to the best trade practice.

(Specify) shall form the base for all paints unless otherwise specified.

Varnishes shall be (specify brand).

Enamels shall be (specify brand).

Stains shall be (specify brand).

(Specify) wood stain shall be used for all exterior stained work.

Shellacs shall be pure white shellacs.

EXTERIOR PAINTING

Sheet Metal. All sheet metal except copper shall be painted two coats in addition to preliminary coat applied by the sheet metal sub-contractor.

Steel Sash shall be given three coats of paint.

Wood Sash shall be given three coats of paint.

Exterior Woodwork shall be given one priming coat and two additional coats of color to be selected by the Owner.

Shutters. Three coats. Owner to select color.

Garage Doors to be painted same as main house, three coats, colors to be selected by the Owner.

INTERIOR FINISHING

Basement. Wood partitions, doors and frames to be given three coats of paint. All plastered walls one coat of size and three coats paint.

Basement Stairs including handrail and newel post, to be given three coats of paint, color to be selected by Owner.

Floors. All except kitchen, bathroom and toilet room shall be filled, shellacked and varnished two coats. All closet floors included.

Floor to Porch 2 to be painted three coats of color to be selected by Owner.

All **ceilings** on first and second floors, except kitchen, toilet room and bathroom shall be finished with (specify) in colors to be selected by the Owner.

All **Walls** except in kitchen, toilet room and bathroom shall be treated with (specify sizing) and covered with wall paper by this Contractor. Paper to be as selected by the Owner but purchased by the Contractor. Purchase price of paper not to exceed $0.50 per single roll for front entrance hall and vestibule and living room, $1.00 per single roll for dining room and recreation room, and $0.50 per single roll for all bedrooms and halls and elsewhere.

Woodwork. The living room, dining room, entrance hall and vestibule woodwork shall be stained, shellacked and varnished. Basement woodwork shall be painted three coats. Kitchen, toilet room and Hall 2 on first floor and all second-floor woodwork shall be enameled using one priming coat, one flat coat, one undercoater and one finishing coat of eggshell enamel.

All **Doors,** except garage doors and outside kitchen door shall be stained, shellacked and varnished. The inside kitchen doors and doors to toilet room and bathroom shall be stained, etc., on one side and enameled on the other. Exterior doors for front entrance vestibule, dining room and living room shall be given three coats of "spar" varnish on the exterior sides.

Window Sills specified to be varnished shall be given one finishing coat of "spar" varnish in addition to the other finish specified.

All **Cases** shall be stained, shellacked and varnished.

All Closets shall have three coats of paint given to all plaster and shelf surfaces.

Kitchen, Toilet Room and Bath. All plaster wall surfaces in these rooms shall be given one priming coat, one undercoater and one coat of enamel. All ceiling surfaces in these rooms shall be given size and three coats of lead and oil paint. Colors to be selected by the Owner.

Main Stair to Second Floor. All handrails and newel posts shall be given stain, shellac and three coats varnish, the last coat to be rubbed. All treads shall be finished same as floors. All risers to be given three coats of paint, color to be selected by Owner. All other parts of stairs shall be finished similar to abutting halls.

GLASS AND GLAZING

See "General Conditions" which form part of this specification.

SCOPE OF WORK. This part of the work shall include the furnishing and setting of all glass as required for all doors, windows and cabinets, also all mirrors except in medicine cabinets. (See Carpentry Spec. for these). All putty marks shall be dissolved and removed and all glass washed and left clean by this Contractor.

MATERIALS. All exterior and interior French doors shall be glazed with polished plain plate glass 3/16 inch thick. All obscure glass shall be hammered glass. All other glass required shall be (specify) paper-packed sheet glass D.S.A., except in cabinets where it shall be S.S.A. Obscure glass occurs in first-floor toilet room and elsewhere as indicated on the drawings. All putty shall be of approved quality and such as to harden in two weeks' time and remain free from checks. Putty for metal windows shall be an approved special putty used as recommended by the manufacturer of the metal windows.

SETTING. Prime all wood sash with oil before glazing and cut all glass with smooth, straight edges. Glass in all doors and elsewhere as may be indicated shall be set in loose glazing beads and wood stops. Glazier shall secure stops and beads in place. All glass set in beads or stops shall be back-puttied and stops or beads bedded in putty. All other glass shall be bedded in putty, tacked with glazing points in wood sash or secured with clips in metal sash and shall be neatly puttied and back-puttied.

GLOSSARY OF LEGAL TERMS

A list of the terms frequently encountered in connection with house building, remodeling and repairing.

A

ABSTRACT—In general: A summary of the pertinent items in a document or documents, such as a deed.
ABSTRACT OF TITLE—A summary of all conveyances, such as deeds, or wills and legal proceedings, giving the names of the parties, the description of the land, and the agreements, arranged to show the continuity of ownership.
ACCRUAL—In accounting: Sums which have accumulated or a sum to be accumulated in a regularly recurring period.
ACREAGE—Land which has not been subdivided and which is customarily measured in terms of acres rather than in front feet or square feet.
ALLEY—A narrow service way providing a secondary public means of access to abutting properties.
AMENITIES—Satisfactions derived from ownership or occupancy, or both, of a property because of qualities of excellence which characterize the property and its surroundings. In appraising: The term is most frequently used in connection with considerations relating to properties which typically are strongly appealing to prospective buyers for owner occupancy.
AMENITY INCOME—The services, satisfactions, or benefits derived from owner occupancy of amenity-income dwelling properties. (Differentiated from "monetary income".)
AMENITY-INCOME DWELLING—A residential property which is of such quality and so located as to be appealing to typical persons for the purpose of owner occupancy. (Differentiated from "rental-income dwelling or property.")
AMORTIZATION—In accounting: The scheduled liquidation of a long-term debt.
APPRAISAL—The process of deriving valuations and other estimates pertaining to property; also: the valuations and estimates so derived.
APPRECIATION—Increase in the value of property.
APPROVED—Passed upon as satisfactory by the authority designated by law to give approval in the matter in question.
ARTERIAL HIGHWAY, ROAD OR STREET—A primary thoroughfare for vehicular traffic that is a main channel, with tributaries.
ASSESSMENT—The valuation of property for taxation purposes; also: A charge levied against property to meet some specific purpose.
ASSESSMENT, SPECIAL—A charge imposed by a government upon a restricted group of properties to defray, in whole or in part, the cost of a specific improvement or service which is presumed to be of special benefit to such properties and may be of general benefit to the public.
AVENUE—A dedicated traffic way.

B

BASE LINE—Any imaginary line on the earth's surface running due east and west, from which township lines are established. Also may refer to a definitely located arbitrary line for reference control purposes.
BETTERMENT—An improvement to a property which adds to its value, as distinguished from repairs or replacements.
BLIGHT—A deteriorating influence or condition affecting the use of real estate.
BLOCK—An area of land in an organized community, bounded by streets or by other definite limits. In some localities such areas are known as "squares."
BOULEVARD—A dedicated traffic way, which is usually broader and usually of more significance in the thoroughfare plan of a city than an avenue, street or road.
BUILDING LINE—A line established by law or agreement beyond which a building shall not extend.
BUILDING MAINTENANCE—Any labor or material provided to remedy deterioration or obsolescence. In accounting: An expenditure upon a fixed asset which tends to preserve the value but which, under accepted accounting procedures, is not reflected in an increase in its book value.
BUILDING SITE—A parcel of land suitable for building or on which a building is or may be built, including all surrounding land specifically allocated to the building.
BUILDING CODE—A collection of legal requirements the purpose of which is to protect the safety, health, morals, and general welfare of those in and about buildings.
BUSINESS DISTRICT—An area in a city or town given to commercial purposes, often limited and defined by use and zoning laws.

C

CARRYING CHARGES—Costs incidental to the ownership (as distinguished from the operation) of property during a period of unproductivity, such as during the period of construction or the period during which land is held as vacant land.
CHATTEL—A material object constituting the subject of personal property. Chattels are sometimes divided into "Chattels Real" that are interests in land which are less than freehold, and "Chattels Personal" that are all other interests embraced under the heading of personal property.
COMMON—A public open area devoted to community uses, usually in the center of a village or town.
COMMON OR JOINT FACILITIES—Exterior or interior common spaces, including rooms such as recreation rooms and laundry rooms, designed to serve all families of a building or buildings.
COMMON PASSAGEWAY—A space between two buildings or properties dedicated for use as a means of egress or ingress, which by deed or agreement remains forever unobstructed.
COMMON OR JOINT SERVICES—Systems of plumbing, lighting, heating, air conditioning, etc., designed to serve all families of a building or buildings.
COMPLETION—Of a building: The act of bringing to a condition of physical completeness and readiness for use and occupancy—to a condition legally considered to be completion.
COMPLETION DATE—The date at which a construction project is to be or is legally considered to have been completed, usually the end of the "construction period."
CONDEMNATION—A declaration by a legally constituted authority under the police power to the effect that a property or structure is unfit for use or habitation or dangerous to persons or to other property. Also, the exercise of the right of eminent domain.
CONFISCATION—The taking of private property for public use without adequate compensation.
CONSTRUCTION LOAN—A loan of money secured by a bond or promissory note and mortgage or trust deed intended to defray the cost of a building, usually advanced to the borrower as construction progresses. Such a loan, after completion of construction, is often converted into a term loan.
CORNER INFLUENCE—The element of value of a lot due to location at or in close proximity to the intersection of two streets.
CORPORATION—An artificial person created by law, constituting a legal entity and having the rights, powers and privileges and subject to such duties and restrictions as may be prescribed by law.
CUL-DE-SAC—A minor street with entrance and exit at the same end.
CURB ELEVATION OR CURB LEVEL—The elevation of the top of a curb at a given point with reference to a designated datum.

D

DEBENTURE—A loan bond which is not a specific lien upon any of the real property of the issuer and for the collection of which no remedy exists save the ordinary action of law.
DEED—A written instrument whereby an estate in real property is conveyed by a grantor to a grantee.
DEED RESTRICTION—A restriction upon the use of a property placed in a deed.
DEED, QUITCLAIM—A deed whereby the grantor conveys to the grantee whatever interest he possesses in the property granted without warranty.
DEED, TRUST—A deed whereby legal title to property is conveyed to a trustee, for the purpose of securing a debt or discharge of an obligation while the equitable title remains vested in the trustor. The deed recites the authority and duties of the trustee and usually vests him with power of sale in the event of default in order to satisfy the debt or discharge the obligation.
DEED, WARRANTY—A deed in which, either expressly or by implication, the grantor guarantees that the title which he undertakes to transfer has not been previously conveyed by him and is free from defects and that the property is unencumbered except as stated, and for himself and heirs, agrees to defend and protect the grantee against any loss which may be suffered by reason of the existence of any other

title or interest in the property existing at the time the deed was executed and not excepted therein.
DEPRECIATION—Loss in value due to all causes, including functional and economic obsolescence and deterioration.
DEPRECIATION, ACCRUED—The amount of depreciation that has accrued during a given period or up to a given date. In appraising: Accrued depreciation is usually the difference between the valuation at the date of valuation and the estimated replacement cost of the property in new condition.
DEPRECIATION, ACTUAL—Actual loss in value which has accrued, as differentiated from book depreciation.
DEPRECIATION, BOOK—The amounts entered on books of account as differentiated from actual depreciation.
DEPRECIATION, RESERVE FOR—An amount reserved by periodic charges against income for the purpose of offsetting depreciation of fixed assets that are carried at values which were assigned to them before they had suffered the depreciation for which the reserve is provided.
DETERIORATION—Impairment of condition of physical property.
DIFFERENTIAL RENTAL—The rent charged to each tenant family adjusted in relation to need and ability to pay rather than to size and desirability of the living unit.
DRIVE—A dedicated street or road.
DRIVEWAY—A private way for the use of vehicles and pedestrians.
DWELLING—In general, a building designed or occupied as the living quarters for one or more families, or households, usually equipped with cooking, bathing, toilet, and, where necessary, heating facilities. Usually thought of as a detached single-family house. Some building codes limit definition of a "dwelling" to a residence occupied by one family; others to two, three or four families.

E

EASEMENT—A vested or acquired right to use land other than as a tenant, for a specific purpose; such right being held by someone other than the owner who holds title to the land.
EMINENT DOMAIN—The right to expropriate, that is, to condemn private property for public use.
ENCUMBRANCE—An interest or right in real property which diminishes the value of the fee, but does not prevent conveyance of the fee by the owner thereof. Mortgages, taxes, judgments are encumbrances known as liens. Restrictions, easements, reservations are encumbrances, though not liens.
EQUITY—Broadly, any interst in property which will receive recognition in a court of equity, whether or not such interest rests on legal ownership. Specifically, the interest, usually expressed in money, of the equitable owner of a property over and above all liens against the property.
ESCHEAT—Reversion of property to the state by reason of failure of persons legally entitled to hold, or lack of heirs.
ESTATE—A tract of land; also a right in property.
ESTATE IN FEE SIMPLE—An inheritable, possessory interest in land which endures until the extinction of all lineal and collateral heirs of the owner and which may be freely conveyed by its owner. Also, the largest possible estate in land.
ESTATE IN LAND—The degree, nature, or extent of interest which a person has in land.
ESTATE OF FREEHOLD—Any one of the three types of possessory interests in land—fee simple, fee tail, and estate for life—which in feudal times were granted only to freemen. Estates of freehold are said to be estates of indefinite duration and any other estate is said to be "less than freehold."

F

FEDERAL SAVINGS AND LOAN ASSOCIATION—A building, savings and loan association chartered under the Federal Home Loan Bank Act.
FEE—When applied to property, an inheritable estate in land. Otherwise, remuneration for services.
FEE—ABSOLUTE, FEE SIMPLE—The largest possible interest or estate in property, subject, however, to the limitations of eminent domain, escheat, police power, and taxation. Also, an estate of indefinite duration and inheritable without limitation.
FEE—LIMITED FEE SIMPLE—An estate in fee giving the owner thereof fee rights as long as certain conditions obtain, its termination being governed by the occurrence of some stated event.
FEE TAIL—An estate of inheritance limited to some particular class of heirs of the person to whom it is granted.
FRANCHISE—A privilege or right conferred by grant from a sovereign authority upon an individual or corporation.
FREEHOLD—A tenure of land held in absolute fee simple, limited fee simple, or fee tail, unencumbered by lease.
FREEWAY—A strip of public land similar to a highway but intended for rapid through traffic. Owners of abutting property have no right of access, nor any right to air or light.
FRONTAGE—The extent of a building or of land along a public road or a public waterway.

G

GOVERNMENT SURVEY—A ground survey authorized by the Continental Congress in 1775 and by subsequent congressional acts and conducted in Florida, Alabama, Mississippi, and all states (except Texas) west of the Mississippi river or north of the Ohio river, in which the land was divided into townships approximately 6 miles square, each township normally containing 36 sections and each section normally containing 640 acres.
GRADE—The form of the surface of the ground as it exists or as it is made by cutting and filling; the slope of a ground surface or of any line thereon; the elevation at a given location.
GRADE, BUILDING—The ground elevation established by the authority having jurisdiction over a particular building for the purpose of regulating the height of said building.
GRANT—A conveyance of an interest in real property.
GROUND WATER—Free subsurface water, the top of which is the water table.

H

HIGHWAY—The entire right of way devoted to public travel, including the sidewalks and other public spaces if such exist, to which the owners of abutting property have right of access.
HOMESTEAD—A property which is the subject of a "declaration of homestead" whereby the property is exempt from attachment or seizure to satisfy a judgment rendered in favor of a creditor; a property occupied by its owner as his home.
HOMESTEAD, SUBSISTENCE—A dwelling property with sufficient land to enable production of a considerable portion of the food necessary for subsistence and so located with relation to employment sources as to enable the family workers to earn a cash income with which to provide the remaining necessities of living.

I

IMPROVEMENT—Of land: A structure or public utility, or any other installation or physical change made in a property with a view to increasing its value, utility or beauty.
IMPROVEMENT, TENANT'S—Fixed improvements to land or structure installed and paid for by a tenant or lessee. Such improvements become the property of the lessor unless specific agreements to the contrary are entered into.
INCOME—A stream of benefits, either in the form of money or services, such as services performed by a home for the benefit and satisfaction of its owner, through occupancy of the house by the owner.
INCOME, FAMILY—Unless otherwise qualified, the sum of the income of members of a family, or the sum available to the head of the family for the benfit and support of its members.
INCOME, OPERATING—In accounting: Income derived from the general operation of a business.
INVENTORY—A list of goods, equipment or property assets.
INVENTORY, REAL PROPERTY—An objective listing and classification of real property in a particular area which shows the supply, character, and condition of such property at a given time.

L

LAND—In law: Any tract of ground whatever, together with its appurtenances; or, a share or interest in land, dwellings, or any hereditaments corporeal or incorporeal. Property which in fact or in law is immovable.
LAND, ACCOMMODATION—Synonymous with acreage.
LAND, DEVELOPED—Land which has been prepared for some social or economic use.
LAND, IMPROVED—Land upon which or to which improvements have been made.
LAND, IMPROVEMENTS ON—Structures erected on a site to enable its utilization, such as buildings, fences, driveways, retaining walls, etc.
LAND, IMPROVEMENTS TO—Structures or facilities such as curbs, sidewalks, water mains, street lighting, sewers, etc., which although not embraced within the boundaries of a property add to its usefulness.
LAND SUBDIVISION—The process of dividing a given area into residential, agricultural, commercial or industrial sites, blocks or plots, with streets or roads, and open spaces; an area so divided.

LAND, PARCEL OF—An area of land, urban, or rural, which is considered as a unit, which is subject to single ownership, and which is legally recorded as a single piece.
LANE—A public or private traffic way of minor character.
LEASE—An agreement which, for a consideration, conveys the right of use and occupancy of a property for a specified term, and under specified conditions.
LEASE, SUB—An agreement conveying the right of use and occupancy of a property in which the lessor is the lessee in a prior lease.
LEX ADICKES—A replotting law first proposed in Frankfurt-am-Main, Germany. It involves the replanning of an area and restoration to each original property owner of his pro-rata share of a private land, in the approximate location of his former holdings.
LIEN—A charge against property whereby the property is made security for the payment of a debt or the performance of an obligation.
LITTORAL—A shore and the country contiguous to it; the zone comprised between high- and low-water marks.
LOT—A parcel of land in one ownership that is described by reference to a recorded plat or by metes and bounds. As used in building codes: A parcel of land considered as a unit devoted to a certain use or occupied by a building or a group of buildings that are united by a common interest or use, and the customary accessories and open spaces belonging to them.
LOT, FRONT OF—The edge of a lot which borders on the highway or street. In the case of a corner lot the front may be designated, or election left to the owner by the proper authority.
LOT LINE—A line bounding the lot as described in the title to the property.
LOT, REAR OF—The edge of a lot opposite the front. In the case of a triangular or gore lot the rear is designated by the authority having jurisdiction.
LOT, CORNER—A lot abutting upon two or more streets at their intersection.
LOT, GORE—A small triangular lot.
LOT, INTERIOR OR INSIDE—A lot bounded by a street on one side only.
LOT, THROUGH—A lot other than a corner lot having frontage on two public highways or streets. Sometimes called a "merged lot."

M

MECHANICAL EQUIPMENT—In architectural and engineering: All equipment included under the general heading of plumbing, heating, air conditioning, gasfitting, and electrical work.
MERIDIAN—An imaginary line on the earth's surface running due north and south and used for measuring longitude.
MERIDIAN, PRINCIPAL—A meridian from which range lines are established.
METES AND BOUNDS—A means of describing the location of land by defining boundaries in terms of directions (courses) and distances from one or more specified points of reference.
MONUMENT—Applied to land ownership: A boundary stone or other permanent marker locating a property line or corner.
MORTGAGE—A contract under the terms of which (1) the legal (but not the equitable) title to property of one person (the mortgagor) is conveyed conditionally to a second person (the mortgagee) as security for the payment of a debt or (2) a lien created against the property for the same purpose.
MORTGAGE LOAN, BALLOON-PAYMENT—A mortgage loan which, by its terms, provides for partial liquidation of the loan by periodic payments of the debt and the remainder at the maturity of the loan.
MORTGAGE LOAN, DEMAND—A mortgage loan which, by its terms, provides for liquidation of the loan upon demand of the lender.
MORTGAGE LOAN, DIRECT-REDUCTION—A mortgage loan which, by its terms, provides for crediting any payments by the mortgagor: first, to accrued interest upon the outstanding principal balance as of the date payment is made, and second, to the outstanding principal balance of the mortgage itself.
MORTGAGE RISK RATING—The process of thoroughly analyzing the major factors of risk undertaken in the making of a mortgage loan and the rating to the mortgage in accordance with the risk involved in the loan transaction in connection with the insurance of the mortgage.
MORTGAGE LOAN, STRAIGHT—A mortgage loan which, by its terms, provides for liquidation of the loan by means of a single principal payment at the date of maturity of the loan.
MORTGAGE, CHATTEL—A mortgage in which the security consists of tangible personal property. A chattel mortgage usually takes the form of a bill of sale drawn in favor of the mortgagee with a clause defeating the transfer during compliance of the mortgagor with specified conditions.
MORTGAGE, EXISTING HOME—A mortgage covering a home one year or more old as of the date of application for mortgage.
MORTGAGE, FIRST—A mortgage which creates a claim having priority to all the claims created by all other mortgages or other instruments used for the same purpose on the same property.
MORTGAGE, JUNIOR—A mortgage which creates a claim subordinate to the claims created by a first mortgage on the same property. Any mortgage subordinate to a first mortgage, such as, a second or third mortgage.
MORTGAGE, NEW HOME—A mortgage covering a home which has been completed within 12 months prior to the date of acceptance of the mortgage, or which is under construction as of that date, or which is to be constructed.
MORTGAGE, PURCHASE-MONEY—A mortgage upon a property accepted by the seller of the property in part payment of the purchase price.

O

OBSOLESCENCE—Impairment of desirability and usefulness resulting from changes in the arts or in design, or from external influences which makes a property less desirable for continued use.
OCCUPANCY—The act of taking or holding possession; the uses, considered from the standpoint of their type, to which a property or properties in a specified area are put; the ratio of actual gross income to income which would result if all rentable space were rented at specified rates.
OCCUPANCY, CERTIFICATE OF—A statement signed by a building official setting forth (1) that a building or structure complies with all ordinances or (2) that a building, structure or parcel of land may be lawfully used for specified purposes or both.
OCCUPANCY, CLASS OF—The particular occupancy of a building or structure as described in building regulations.
OWNER—A person, firm, or corporation owning or controlling property, including a duly authorized agent or attorney. Guardians or trustees and any persons having a vested or contingent interest in the property in question may be regarded as owners.
OWNER, FULL—The owner of a property which is free and clear; a term applied to a farm operator who owns all the land which he operates.

P

PARKWAY—A limited-access highway open only to non-commercial traffic and without privileges to owners of abutting properties of light, air, and access, located in a park or ribbon of parklike land owned or controlled by a public authority, usually a park authority.
PLANTING STRIP—For residential streets: a narrow area for planting trees, shrubs or grass along a street or drive, usually between the sidewalk and edge of road surface; often erroneously referred to as parking strip.
PLAT—A map, plan, or chart of a city, town, section or subdivision indicating the location and boundaries of individual properties.
PLATTING—The process of mapping a subdivision plan or any other survey layout.
PLOT—A parcel of land or an assemblage or adjacent parcels of land in a single unit; a relatively small area of land.
PREVAILING WAGE—The wage paid the majority of workers in a specific class of occupation in a particular community.
PRO RATA—A term meaning "in proportion." It relates to the distribution of any fund, implying that the distribution is made upon some proportional basis.
PROFIT—The excess of income over all costs incidental to producing the income; gain resulting from the employment of capital.
PROPERTY—A lot or plot with or without buildings or other improvements; any or all rights to the benefits and services or to the contracted services of free persons; the objective things, such as land, buildings, etc. (but not persons), which are the subject of such rights.
PROPERTY LINE—A recorded boundary of a plot.
PROPERTY, INCOME—Property which is capable of yielding an income in cash and the ownership of which is desired primarily on this account.
PROPERTY, PERSONAL—All property other than real property.
PROPERTY, REAL—Any estate in freehold; the land and improvements which constitute the subjects of a freehold estate;

in law: all lands, including improvements and fixtures permanently affixed thereto, and property or rights of ownership of any nature appurtenant thereto.
PROPERTY, SERVICE—A property, such as a church, school, or hospital, which is not operated for profit, and which is not commonly bought and sold in the market.
PROTECTIVE COVENANT—A written agreement restricting the use of real property and intended to protect and benefit the property; a restriction appearing in a conveyancing instrument affecting the use of real property.

Q

QUANTITY SURVEY—An inventory of the quantity of materials and labor required to complete a construction operation, compiled for the purpose of estimating.

R

RANGE—The area included between two range lines.
RANGE LINE—One of a series of imaginary lines on the earth's surface, running due north and south at 6-mile intervals and used for locating and describing parcels of land under government survey.
REAL ESTATE—Land and whatever is permanently affixed thereto.
REALTY—Same as Real Estate.
REGISTERED ARCHITECT, ENGINEER, OR LANDSCAPE ARCHITECT—A profesional or person who is licensed to practice under registration laws.
RENT—The payment for the use of land, buildings, or other real or personal property. Rental is often used synonymously.
RENT, ECONOMIC—In housing: the amount of rent sufficient to cover all costs of operation and maintenance, to yield a reasonable return on the investment, and to amortize the investment in wasting assets over the productive life of the building.
RENT, GROUND—The rent paid for the right of use and occupancy of a parcel of unimproved land, or that portion of the rent paid for the use and occupancy of a parcel of improved land which is imputed to the land as distinguished from the improvements.
RENT, INCLUSIVE—Rent that includes charges for hot water, heat, light, refrigeration, and fuel for cooking.
RENT, SHELTER—Rent that does not include charges for hot water, heat, light, refrigeration, or fuel for cooking, but sometimes includes cost of water.
REPAIR—Any labor or material provided to restore a building or any part thereof to a sound condition.
REPLACEMENT—The act of supplying a new object to supplant an object that has reached the end of its useful life, to serve the same purpose as the object supplanted. Also the object supplied.
RESTRICTION—An encumbrance on land which limits its use, imposed for mutual or community protection.
RESTRICTIVE COVENANT—See Protective Covenant.
RIGHT, AIR—A right to build in, occupy, and otherwise use that portion of real property above a stated elevation, in conjunction with definitely located spaces on the ground surface, for foundation and supporting columns.
RIGHT, LITTORAL—The right attached to a parcel of land which appertains to seas or great lakes bordering on such a parcel.
RIGHT OF WAY—A right of passage or the area over which the right of passage exists.
RIPARIAN RIGHT—Any right appurtenant to a parcel of land which appertains to water bordering on, or within, or under such a parcel; such as the rights to natural flow unobstructed by artificial checks or barriers, to freedom from unreasonable pollution, of access to the water, of accretion.
RIGHT, SQUATTER'S—Right to occupancy of land created by virtue of long and undisturbed use without legal title or arrangement.
RIGHT, WATER—A property consisting of the rights to a water supply.
ROAD—A rural or urban traffic way, with or without constructed gutters, curbs, and walks.

S

SATELLITE COMMUNITY—A subordinate center, in a metropolitan area or within the zone of influence of a large city. It is usually a separate political entity.
SERVICE DRIVE—A vehicular passage affording access to buildings or property, frequently for delivery of supplies.
SHARE CROPPER—A person working on a farm, usually having no tools, equipment, or capital, and having only labor to offer, to whom the landlord provides food, buildings, stock, tools, seed, and part or all of the fertilizer, in exchange for a specified share of the crop produced.
SPECIFICATION—A written document stipulating the kind, quality, and sometimes the quantity of materials and workmanship required for any construction or work. See Sample Copy of House Specifications, page ...
STREET—The generic term for the strip of land reserved for public use, for purposes of transportation, communication, and access to property fronting on the street. The street may be merely named "street" or disguished under euphonisms such as avenue, boulevard, drive, lane, road and occasionally "way" added as a suffix.
STREET, DEAD-END—A street having a closed end.
STREET, DEDICATED—A street, the title to which is permanently or temporarily yielded by the owner and accepted by the authorities for the use and benefit of the public.
STREET, VACATED—A street abondoned by a public authority through appropriate official action.
SUBDIVISION—A parcel of land divided into blocks, lots or plots for immediate or future use or sale, or for building developments.

T

TAX—A charge levied by a government upon persons or property to defray the cost of government services performed for the common benefit.
TAXPAYER—A person who pays a tax, whether he finally bears the burden or shifts it; generally defined in law to include all persons liable for payment of a tax, whether or not they actually pay it.
TENANCY—Occupancy of a property usually by persons other than those in whom the fee title is vested.
TENANT, CASH—A farm tenant who pays his rent in cash.
TENANT, SHARE—A farm tenant who operates a farm under his own direction and by use of his own capital and equipment and divides specified products with the owner.
THOROUGHFARE—A through or arterial way for continuing traffic.
TOPOGRAPHICAL MAP—A map showing the contour of the land and the existing earth and water features and surface characteristics of a tract of ground. Trees, woods, forests, roads, buildings, soil character, and surface or subsurface utilities are often indicated.
TOWNSHIP—The area included between two adjacent township lines and two adjacent range lines, containing 36 sections. A political subdivision of a county, usually unincorporated, sometimes called "town."
TOWNSHIP LINE—One of a series of imaginary lines on the earth's surface running due east and west at six-mile intervals and used for locating and describing parcels of land under government survey.
TRAFFIC LANE—A unit width of a road surface adequate to accommodate a moving vehicle.
TRAFFIC WAY—A street, alley, or other thoroughfare or easement permanently established for passage of persons or vehicles or both.
TRUST AGREEMENT—An arrangement whereby an owner (the trustee or settler) transfers legal title and control of property to a second party (the trustee) under conditions set forth in an agreement which vests authority in the trustee to hold, manage or dispose of the property for the benefit of a third party, the beneficiary.

U

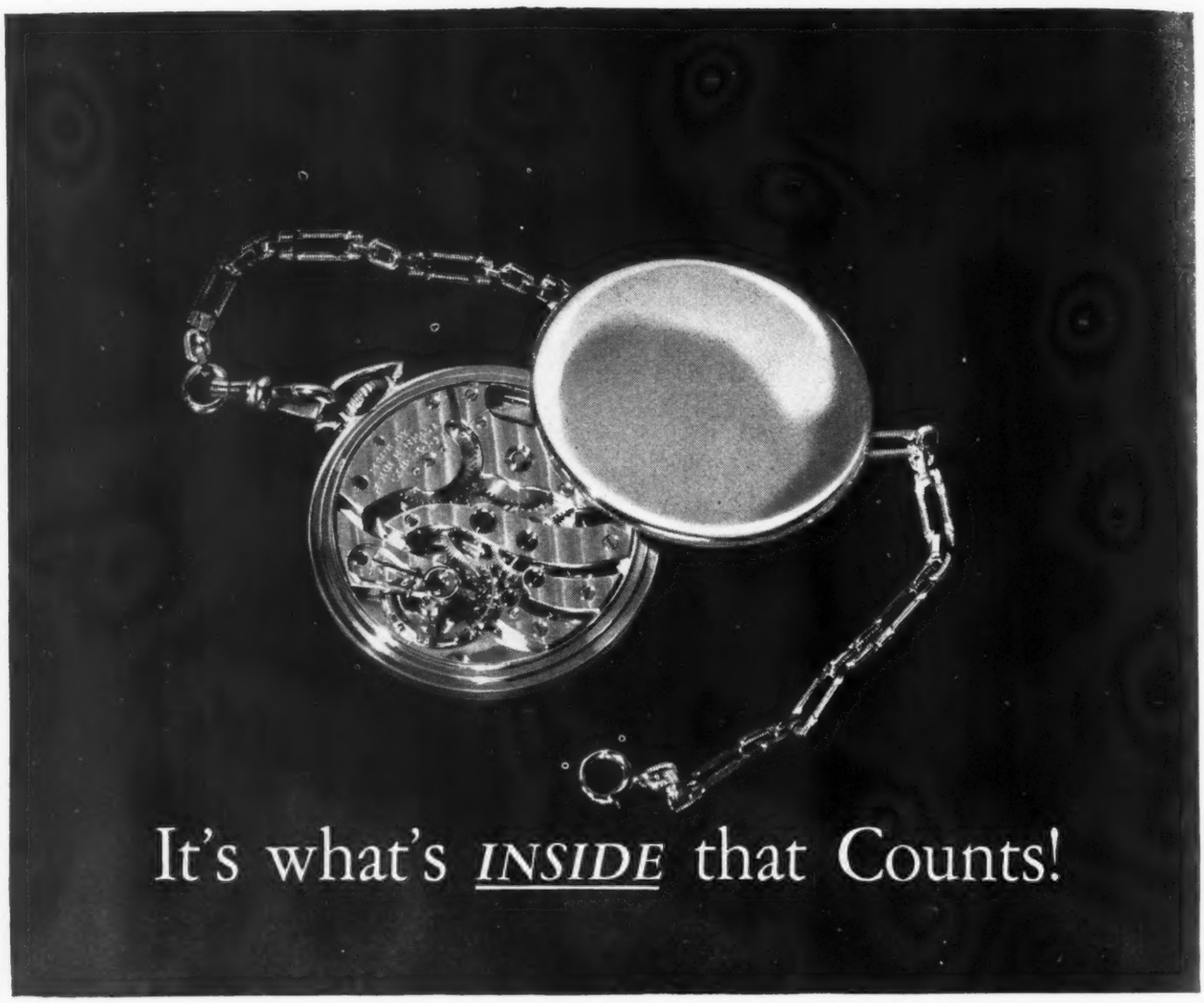
UNEARNED INCREMENT—An increase in value of property due primarily to the operation of social or economic forces rather than to the efforts or initiative of the owner.

V

VALUE—The present worth of all of the rights to future benefits arising from ownership as determined by use (specific or highest and best), user (specific or typical), and terms of ownership (limited or unlimited). The quantity of goods or money which should be received in exchange for the property under consideration.
VALUE, ASSESSED—The figure at which property is valued on the assessment roll by an authorized assessment agency.
VENDEE—A buyer, usually a buyer of real property under a contract of sale which gives the right of possession but does not convey title.

Z

ZONING—Division of all of the land of an entire political subdivision into districts having different regulations pertaining to use of land; and height, area, bulk, and use of buildings, and yard requirements; and in some states density of population. Zoning is effected by local ordinance under the police power of the state granted by specific legislation generally termed an "enabling act." See Protective Covenant.



YES . . . "ingredients" make the big difference in quality of performance whether the product is a fine watch or a fine building material.

Secret of the success of so many Celotex building products, for example, is the cane fibre at their core.

These long, tough cane fibres form an interlocking "bridge" with each other—endow Celotex board with high tensile strength and endurance, good insulating value, yet extreme lightness and workability. It's easy to handle, easy to apply, economical to use.

What's more—special Celotex processing renders the board wind, water, heat, cold and vermin-resistant . . . makes it one of the most practical building materials on the market.

Look to The Celotex Corporation for these quality cane fibre building products. And remember: on literally *millions* of building jobs, they've *proved* beyond a shadow of a doubt that *they've got the inside quality that counts!*

Quick Facts **on Celo-Siding—a typical Celotex cane-fibre building material**

Ideal for farm structures, garages, warehouses, most any low-cost building. Does 4 jobs in one application: 1. Sheathing; 2. Insulation; 3. Exterior Finish; 4. Structural Strength. Has high insulating value; requires no maintenance. Just nail to frame and caulk—and the job's done!

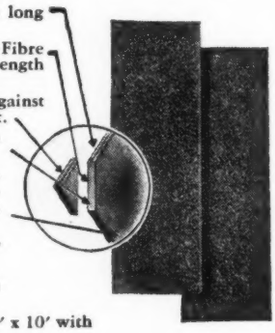
Tongue and Groove joint on long edges of 2′ x 8′ panels.

Core of genuine Celotex Cane Fibre Board furnishes structural strength and insulation.

All edges and sides sealed against moisture by coating of asphalt.

Extra coating of asphalt on exterior side.

Exterior surface of firmly imbedded mineral granules, providing durable, colorful finish.



Colors: Green or Bufftone.

Sizes: ⅝″ thickness—4′ x 8′ with square edges.

⅞″ thickness—2′ x 8′ with T & G joints on long edges.

⅞″ thickness—4′ x 8′ and 4′ x 10′ with square edges.

CELOTEX
REG. U.S. PAT. OFF.
BUILDING PRODUCTS

THE CELOTEX CORPORATION • CHICAGO 3, ILLINOIS

Veterans Train for Lumber Yard Work Under G. I. Bill

RETAIL LUMBER dealers and the discharged veteran are discovering that each can benefit under the apprenticeship training program under Public Law No. 346, otherwise known as the GI Bill of Rights.

The yard manager has found that the program enables him to train a high quality apprentice at a rate he can afford to pay; the veteran, on the other hand, is learning the vocation of his choice while earning a living wage.

Actually there is no limit to the kinds of jobs for which the yard manager can set up a training program, but he had best go slowly through authorized channels in order to achieve the results he has planned.

In order to place veterans in training under the provisions of the GI Bill of Rights, an employer must have his training program approved by the appropriate state agency. The easiest way for the yard manager or employer to find out which this agency is in his particular state is to get in touch with the nearest Veterans' Administration office.

The approving agency is most often connected with the school department, often the board of vocational education which is familiar with the training facilities already available in the state.

It is well for the employer to consult the Veterans' Administration before mapping out his program, since the VA has especially qualified men for this job who are anxious to cooperate by helping employers map the best program possible for his particular needs. Furthermore, the VA must approve the apprenticeship program in addition to the state approving agency.

In numerous cases the VA has

Sample application for on-the-job training in business occupations for the state of Illinois, where the board of vocational education is the approving agency.

Proposed by .....
(Name of business organization proposing training)

Address .....
(Street) (City)

Person to contact in regard to proposal.....

Title..... Telephone.....

Address if different from above.....

Occupation for which training is proposed.....

Total number of your employees..... Number employed in this occupation.....

Number of learners you employ in this occupation:

Normally.....; At present.....

Number of veterans you propose to train.....

Enclose two copies of an outline of training for each occupation, including a schedule of on-the-job experiences and a related instruction plan. See enclosed sample.

Salary Schedule for Each Occupation

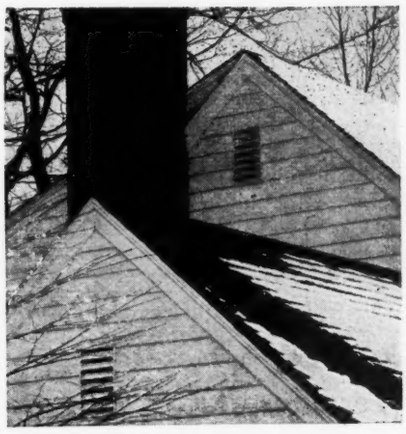
Period	Time in Mos.	Rate of Pay	Period	Time in Mos.	Rate of Pay
First period	.....	.....	4th Period	.....	.....
Second period	.....	.....	.....	.....	.....
Third period	.....	.....	.....	.....	.....

Rate when fully trained ..... Total training time.....

We agree to maintain the minimum requirements for on-the-job training in business occupations.

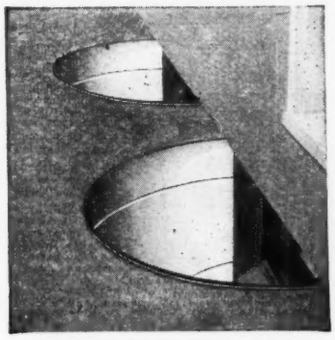
.....
Name of business organization proposing training.

By .....



DONLEY STEEL LOUVER VENTS

NOW in PRODUCTION --2 MORE Donley Devices



STEEL AREA WALLS

These Donley Steel Area Walls are for basement windows set below grade. Users report savings of 50% below the cost of masonry area walls. These savings come from the low first cost of Donley Area Walls and fast installation by inexpensive labor. They offer so little area to frost action that they need not extend below frost line. Easily fastened to foundation by bolts or nails; made in four sizes of U. S. copper alloy steel. Thick galvanizing covers all surfaces for rust-resistance at no increase in price.

STEEL LOUVER VENTS

Donley Steel Attic Louver Ventilators reduce building costs and construction time. Generally recognized as necessary for cooler summer temperatures and protection of insulation from condensation in freezing weather. Flange on ventilator is nailed to sheathing in frame construction, siding or shingles overlap and butt against ventilator frame with no trim needed. Brick construction is just as simple with no trim required. Special roof type available for hip roofs. Made in 10 rectangular sizes, also in ½ circle, ¼ circle and roof style.

THE DONLEY BROTHERS COMPANY

13928 Miles Avenue, Cleveland 5, Ohio

disapproved programs okayed by the state agency, so it behooves the employer to work closely with the federal agency.

Requirements of the approving agencies vary from state to state, but there is one basic requirement: the employer must show that he can and will teach the trainee.

Illinois, for example, states its minimum requirements for on-the-job training as follows:

1. The training must be established for a recognized occupation which requires the acquisition of skills and information, the learning of which should require a minimum of six months of on-the-job training.

2. The employer must place the veteran under the instruction and supervision of a fully trained and competent person who has had successful experience in the occupation and has demonstrated ability to instruct.

3. The schedule of on-the-job experiences must be organized to provide the veteran with experiences needed to qualify him as a fully trained person in the occupation for which training is being given.

4. A related instruction plan of a minimum of 144 hours of instruction per year is required as a part of the program of training for each occupation.

5. The business must have adequate facilities for providing training.

6. The employer should keep adequate records of the veteran's progress in his on-the-job training.

The employer's proposed training program must include a salary classification for each occupation, specifying the rate for each period of training, the "objective wage" (explained below) and total training time.

A monthly statement of on-the-job earnings of the trainee must be filed with the VA by the employer.

In other words, the employer must present a carefully prepared program to the approving agency for consideration. Ordinarily, this application will include the following information: occupation for which training is proposed; total number of employees and number employed in this particular occupation; number of learners employed in this occupation normally and at present; number of veterans proposed to train; salary schedule for each period of training and rate of pay.

The approving agency may decide to inspect the yard or store where the training is to be given, although personal inspection is unusual because of the large number of applications.

After requesting approval for his apprentice program, the employer may start his program at once. It may take from one to four months for his application to be acted upon. If it is approved, the effective date will be the date of filing the application.

Yards have announced programs whereby they plan to train salesmen, countermen, bookkeepers, foremen and managers. Here is a tentative program outlined for six trainees as field salesmen. The training period covers 18 months, broken down as follows:

First three months, work in the yard—order filling and general duties, weekly salary $30; next three months, employment in sash and door mill, salary $32; next three months, assignments in construction department, salary $34; next three months, assignment to service department, hearing and adjusting complaints, salary $36; next six months, branch store assignment as assistant to manager, salary $22 plus 1 percent sales commission.

This yard secured the services of two analysts from the U. S. Depart-

METROPOLITAN LUMBER COMPANY

METROPOLITAN LUMBER CO.

Personnel

★ CHICAGO

HAROLD ELLIOTT
REO ELLIOTT
CHARLIE CARNEY
BILL STEPHENSON
LES BURMEISTER

★ MILWAUKEE

MARS ELLIOTT
BOB HAUTER

Manufacturers Representatives Since 1907 for

★ Ponderosa Pine
★ Sugar Pine
★ Idaho White Pine
★ Pine Mouldings
★ Box Shook

★ Canadian Spruce
★ White Fir
★ Fir and Larch
★ Douglas Fir
★ Pine Cut Stock
★ Southern Pine

Sales Offices

CHICAGO 24, 4010 W. Madison St. — Kedzie 7510
MILWAUKEE 13, 7534 W. State St.—Bluemound 4686

OWNERS AND OPERATORS

PONDEROSA MOULDINGS, INC.

Manufacturers of Ponderosa and Sugar Pine Mouldings

REDMOND, OREGON

JACK ELLIOTT: Gen. Mgr.

CHIEF OF THE MOULDINGS

ment of Labor. They went over the program that was to be the basis of the application, thus helping assure the employer of final approval.

The yard manager or person in charge of the training program for the plant must indicate the salary the trainee is expected to earn at the completion of his program. This is known as the "objective wage."

Suppose a veteran starts training at a salary of $150 per month. His "objective wage" is $250 per month. During the training period the veteran will receive benefits from the VA until such time as the salary, plus the benefits, exceed the objective wage of $250. VA benefits will then be reduced so that at no time will the veteran receive more than $250.

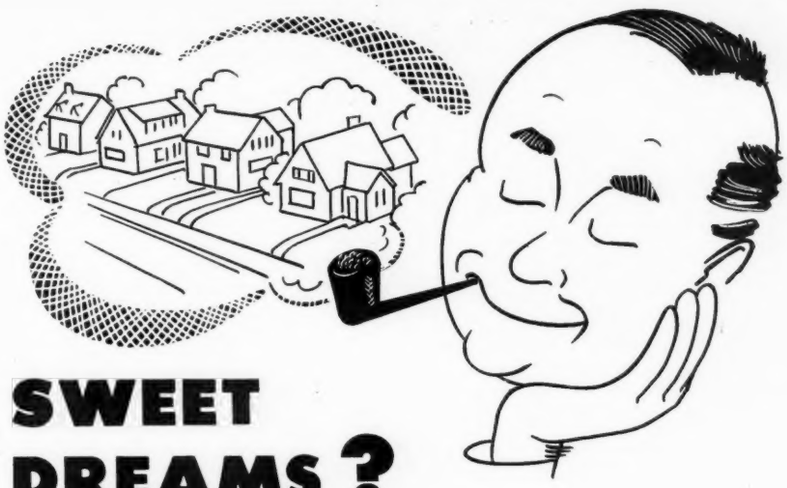
As already indicated, in addition to on-the-job training the veteran may take related courses to his training program at night school for which the VA will pay the tuition.

To become eligible for on-the-job training, the veteran must meet three qualifications. He must have (1) been in active service since Sept. 16, 1940; (2) been discharged or released under other than dishonorable conditions; (3) served a minimum of 90 days active service (or discharged for service-incurred or aggravated disability in less than 90 days).

If the veteran meets these requirements, his next step is to file VA form No. 1950 with the VA office closest to his home. He must file within four years after the end of the war or his discharge, whichever is later. This completed form accompanied by a photostatic copy of his discharge is forwarded to the regional office of the VA serving his state or the state in which the training will be had.

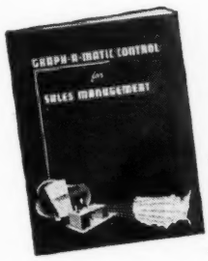
After filing form No. 1950 with the VA, the prospective trainee will receive a certificate of eligibility (form No. 1953) which indicates the length of training to which he is entitled. If the veteran's application is accepted, the employer should indorse and send the certificate of eligibility to the VA for processing.

The amount of training to which the veteran is entitled is equal to the number of months he was in active service plus an additional 12 months. A veteran is eligible for a maximum of four years of training. Benefits will not extend beyond nine years after the end of the war.



SWEET DREAMS?

Not at all . . . IF YOU ARE PREPARED to take advantage of tomorrow's huge lumber and building supply demand. Being prepared means being ready with an organized *Sales* program . . . a *Purchasing* procedure to insure full profit on what you buy . . . a *Stock Control* system that builds up turnover. The simplest, most effective ways of obtaining these three essentials are fully explained and shown in three books now made available to you without charge or obligation.



PROFITABLE SELLING with the aid of effective record-keeping is the subject of "Graph-A-Matic Control for Sales Management". Plans that fit your type of merchandising are clearly outlined, requirements set up. Efficient, low-cost methods of obtaining facts needed for success are described and illustrated in clear, helpful detail.

EFFECTIVE PURCHASING procedure and the simple records needed to carry on the routine of buying with the greatest economy are outlined and illustrated in the new 64-page manual, "Purchasing Department—Records and Routines". Many alternate methods and systems, all proven successful, are included in order to meet the requirements of both large and small businesses.

CONTROLLING LUMBER STOCKS effectively results in increased rate of turnover. This means successful merchandising, which in turn means profits for the dealer. The perpetual inventory method of operation has been generally accepted as necessary to the conduct of your type of business. Our Management Controller No. MC561 "Stock Control for Lumber Dealers", shows a complete plan using this method.

USE THIS COUPON AND SAVE PAPER

Remington Rand, Inc., Buffalo 5, New York

Kindly send me ☐ "Graph-A-Matic Control for Sales Management" (free).
☐ "Purchasing Department — Records and Routines" (free).
☐ "Management Controller #MC561" (on loan).

Name.....Address.....

City & State.....

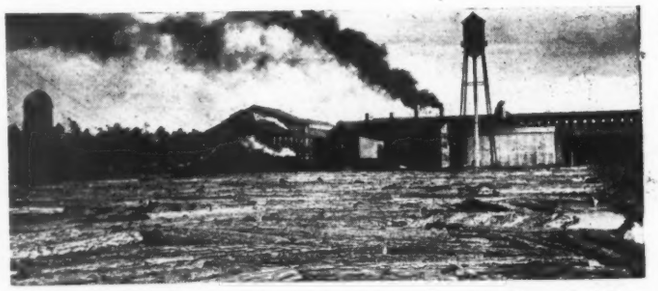
SYSTEMS DIVISION

REMINGTON RAND

315 FOURTH AVE., NEW YORK 10, N. Y.

SOUTHWEST LUMBER MILLS, Inc.

McNary, Arizona



As soon as ceiling prices are revised upward sufficiently and operating conditions will permit, our normal service will be restored.

District Sales Offices

Phoenix, Ariz.—R. B. Howell, Box 371 Phone 3-4905
Chicago—D. A. Weidler, 520 N. Michigan Ave. Phone: Superior 9004

WESTERN PINE ASSOCIATION WPA

1896 50 1946

Years of Stability

It takes *Eternal Vigilance* to stay in business half a century—Eternal Vigilance for the welfare of one's customers.

With us, Eternal Vigilance has always meant utmost care in attention to inquiries and orders; an unvarying policy of looking at transactions from the *buyers' side* of the fence.

That the Scotch Lumber policy of being eternally vigilant in the interests of customers has "paid off" is proved by the fact that this company, after 50 years, is still hale and hearty, while all but two others that were manufacturing lumber in Alabama in 1896 have disappeared.

IN 1896 . . .

the year Scotch Lumber was organized, young and old were "scorching" the highways on bicycles made by Winton.

Later, Winton went on to build one of America's most luxurious motor cars.

But, like many other great names, that of Winton, once on everybody's lips, is today only a memory.

But the name Scotch Lumber lives on.

Scotch Lumber Company

Southern Forest Products

Fulton, Alabama

Mixed Cars a Specialty

Member SPIB and NHLA

University for Light

"Refresher" courses, especially for discharged veterans returning to retail lumber yards afetr several years in the service, are now being offered at many educational institutions in cooperation with the respective lumber dealers' associations in the area.

The semester dates of these courses changes so rapidly that it is impossible to list institutions offering refreshers on definite dates. To secure details of such institutions and courses, communicate with the secretary of your nearest retail lumber dealers association.

UNTIL a few years ago, little thought was given educationally to preparing a student for the light construction industry, an important division of the second largest industry in American life—the shelter industries.

The problem, if it was considered at all, was considered too complex. Here was 100 or more branch industries, none of which dominated the whole picture. Further complicating the situation was the fact that a new home, for example, has 30,000 parts manufactured by a hundred industries and fitted together on the site by a score of different types of labor.

True, there were adequate courses for the student planning to devote himself to heavy construction—bridges, canals, office buildings and the like. Specialized courses in architecture, forestry and similar subjects all pointed to the heavy construction classifications.

Heavy Dollar Volume

The fact remains that in normal times the light construction industry in dollar volume is equal to heavy construction. Its annual volume has gone as high as 6 billions and it is estimated that it may reach twice that figure when an adequate flow of materials is available.

With such a tremendous backlog of building ahead, the demand for trained men in the building industry was foreseen and the problem called to the attention of certain educators. Study of the situation revealed that most of the essential subjects were already available but

Preparation Construction

had never been organized into a single curriculum.

The necessary curriculum was found to require some liberal arts subjects, beside courses in engineering, architecture, business administration, forestry and the sciences. Educational authorities decided to assign administration of the new course to the department best acquainted with the overall problem. In most institutions, administration has gone to one of these departments: architecture, engineering, business administration and forestry. There has developed an understandable tendency to emphasize courses in the department responsible for administration.

In an attempt to induce high school graduates and veterans heading back to college to consider the building industry in planning their vocational future, Johns - Manville has made a thorough study of the latest educational developments in the light building field and summarized these in a comprehensive booklet.

It points out that for the first time in history, universities and colleges in cooperation with the building industry have segregated light construction from the overall construction industry; that for the first time, young men and women may decide upon a career in the nation's second largest industry and be trained especially for it.

Variety of Jobs Open

Analysis of the light building field revealed nearly 100 different types of jobs for which graduates of building industry courses may qualify. To prepare adequately for careers in these industries requires study in fields as far apart as interior decorating and sewage disposal.

In order to assist the student in deciding what career he should study for, J-M has drawn up a chart which encourages the student to compare any vocational field with the building industry on such issues as the following:

1. Is the industry growing and will it continue to grow? How does the potential in dollar volume measure up to other careers?

As a partial answer to these questions, the brochure points out that 18 million families in America do not own their own homes; farms of America have but one-fourth of the needed buildings for adequate shelter of livestock, machinery, produce and equipment. The repair and maintenance field alone represent a tremendous potential. Annual construction may well reach 18 billions in these postwar years.

2. How much personal competition will I encounter in the field? Will I have to "break my neck" to succeed?

"The young man or woman who successfully completes college training in a curriculum specifically designed for this field has no scientifically trained competitors today and those who follow tomorrow will have only the competition of today's students who have preceded them. It is estimated that more than 100,000 men and women are needed immediately in housing and light construction.

"Probably the most important available opportunity is in the field of consumer service—trained men and women who have the ability and capacity to fit a family into the right housing environment in terms

of architecture, construction, materials, finance and responsibility."

3. What chance will I have to get a good job at a fair starting wage after I get my degree?

"Research experts found just prior to the war that thousands of retailers in the building industry were ready to employ two or three men each if graduates could present evidence of having completed a four-year training course in light construction. Starting salaries are bound to be higher than if there were not such competition among employers."

Special opportunities are open to women in the light building industry, especially those with a flair for mathematics and engineering. Available courses are especially suitable to the daughter or widow of a proprietor in the building industry.

Although the graduate will reap dividends in a well-paid, interesting vocation, he will find that preparation for the industry will involve some intensive studying. Scope of the varied curricula is as follows:

Freshman year: mathematics, forestry, English, public speaking, chemistry, surveying, military service, physics, physical training, farm buildings, drawing and pattern making.

Sophomore ear: accounting, English, economics, dendrology, building materials, building construction, forest products, mathematics, wood structures, parliamentary practice, house and home planning and engineering mechanics.

Junior year: business law, contracts and specifications, construction estimating, psychology of advertising, human relations, salesmanship, lumber merchandising, home and farm architecture, engineering geology, applied psychology, money and banking, transportation.

Senior year: advanced economics, sales management, heat engineering, market analysis and statistics, building materials and methods, personnel administration, electrical equipment, retail administration, timber mechanics, engineering materials, plumbing and production management.

Twenty-five colleges and universities are offering four-year courses in the light building industry leading to a degree. Other institutions are organizing courses; some of these courses lead to a degree, others are refreshers of a month or so duration.

Your nearest lumber dealers' association will have an up-to-date list of institutions offering "refreshers."

Institutions Named

Below is the current list of institutions offering four-year courses in light building leading to a degree:

Massachusetts Institute of Technology, Department of Building Engineering and Construction, Cambridge, Mass.

Rensselaer Polytechnic Institute, Department of Architecture, Troy, N. Y.

Alabama Polytechnic Institute, School of Architecture and the Arts, Auburn, Ala.

North Carolina State college, Department of Civil Engineering, Raleigh.

University of Minnesota, Department of Forestry, St. Paul.

Michigan State college, Department of Forestry, East Lansing.

University of Wisconsin, School of Commerce, Madison.

Oregon State college, School of Forestry, Corvallis.

Georgia School of Technology,

The Foundation of the Quality of A-Y Lumber

Good logs is the foundation on which A-Y Quality has been built. A-Y is fortunate in having an unusually fine stand of Ponderosa Pine timber. Good logs plus good manufacture make A-Y quality lumber. In due time A-Y service will be as good as A-Y Quality. As soon as we're able to build up an inventory again, we'll be serving old customers with A-Y quality Ponderosa Pine yard stock, factory lumber, mouldings and industrial items as of old.

Member Ponderosa Pine Woodwork

Alexander-Yawkey Lumber Co.

Members Western Pine Association — Prineville, Oregon

Department of Architecture, Atlanta.

Massachusetts State college, Division of Engineering, Amherst.

University of Maine, Department of Civil Engineering, Orono.

University of Kansas, Department of Architecture, Lawrence.

Colorado A & M college, Division of Science and Arts, Fort Collins.

New York State College of Forestry, Syracuse university, Syracuse.

University of Denver, School of Commerce, Accounts and Finance, Denver, Colo.

University of Idaho, Department of Agricultural Engineering, Moscow, Ida.

University of New Hampshire, Department of Architecture, Durham, N. H.

Kansas State college, Department of Architecture, Manhattan, Kans.

Iowa State college, Division of Engineering, Ames, Iowa.

Oklahoma A & M college, School of Architecture, Stillwater, Okla.

University of Kentucky, College of Engineering, Lexington.

Louisiana State university, College of Commerce, Baton Rouge.

Virginia Polytechnic Institute, Department of Architectural Engineering, Blacksburg, Va.

The following universities and colleges are organizing a curriculum.

Washington university, School of Architecture, St. Louis.

University of Oklahoma, School of Architecture, Norman, Okla.

University of Arkansas, College of Business Administration, Fayetteville, Ark.

Two-year courses covering many subjects pertaining to light construction are offered at the following institutions:

New York State Agricultural and Technical Institute, Delhi, N. Y.

Wentworth Institute, Boston, Mass.

David Rankin, Jr. School of Mechanical Trades, St. Louis.

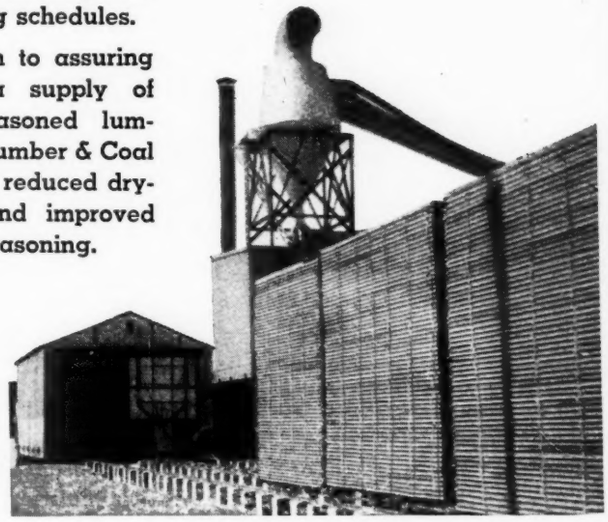
Both day and night-school courses in contracting and estimating are offered at Temple university Technical School, Philadelphia. Students enroll for one year in the day-school course, three years in the night-school course.

Maryland Retail Lumber Yard Seasons Lumber with Modern Moore Cross-Circulation Kiln

Nuttle Lumber & Coal Co., progressive retail lumber firm in Denton, Md., meets its own needs for seasoned lumber since installing the Moore Cross-Circulation Kiln shown below.

With the Moore Automatically Controlled Drying System, this firm can season lumber green-from-the-saw, on scientifically controlled drying schedules.

In addition to assuring customers a supply of properly seasoned lumber, Nuttle Lumber & Coal Co. has also reduced drying costs and improved quality of seasoning.



Let the Moore Kiln-Engineer help solve your drying problem. Write today.

If you are interested in kiln drying and wish to be placed on our mailing list, send us your name and name of the firm with which you are connected.

MOORE DRY KILN COMPANY
Largest Manufacturers of Dry Kilns and Veneer Dryers
JACKSONVILLE 1, FLORIDA
VANCOUVER, B. C.
NORTH PORTLAND, ORE.

MOORE DRY KILNS
CROSS CIRCULATION MOORE INTERNAL FAN SYSTEM

The Consumer Comes To The Lumber Yard

FOR THE PAST 25 years the trend in the retailing of lumber and building materials has been toward ever better service to the American family consumer, the families who seek new homes, the property owners who seek improvements and the farmers who need construction on the farm.

This trend in American lumber yards was accelerated during World War II by the necessity for the dealer to find consumer merchandise to sell and consumer selling techniques to create sales in order to maintain his profits.

This creative consumer merchandising is planting a new buying habit among family consumers—that of going to the lumber yard for construction needs, especially in the field of home improvements and farm buildings.

Today the dealer is entering a postwar marketing era in which the forces of publicity, advertising and merchandising are going to play an increasingly vital part in the production of satisfactory profits.

Advertising has been defined as "the technique of moving people towards your products" and merchandising as "moving products toward people."

In utilizing these two forces more and more dealers are setting themselves up as the one-stop sales manager of the local construction industry,—as that integrating factor which packages the services of the designer, builder, lot supplier, equipment distributor and sales financier into one complete buying unit for the consumer.

The recent adoption by the National Retail Lumber Dealers association board of directors of the *Pledge of Service to the Consumer*, was the final step in securing an industry-wide acceptance of this consumer service philosophy as a policy, but the actual application of this policy on an industry-wide basis will be a matter of further evolution. It will require years of industry education and hard work.

Before embarking on a discussion of the problems confronting the dealer who wishes adequately to take care of the consumers who come to him for construction services, it might be well to examine briefly the history of this translation of the old-time lumber yard, whose sales were to carpenters and contractors, to the modern merchandising institution which sells *both the trade and the consumer.*

This transformation really started in 1920 though no one was conscious of it at the time. It began with the simultaneous shutting off of immigration and the general practice of birth control after World War I.

Up until 1920 home and farm construction in America had been a self-generating business based on the automatic growth and expansion of our country and its population.

At that time, when the people needed housing or construction, they generally looked up their neighborhood contractor and made their wants known. Consumer advertising and merchandising on the part of the dealer were practically unknown.

By 1926, however, home and farm construction had caught up with automatically generated de-

Written by Arthur A. Hood, Director of Dealer Relations, Johns-Manville Corporation

PAYS YOU EXTRA PROFITS

MARKETS FOR FIRE RETARDANT WOOD

Airplane Hangars
Schools
Theaters
Public Buildings
Stores
Office Buildings
Churches
Factories
Warehouses
Better Class Homes

Don't be satisfied to get only the home and farm business in your community. Get the large project business, too. See the suggestions above. For all jobs of this kind, you'll find it profitable to recommend and sell

PROTEXOL Triple-Proofed Lumber

Permanently Protected against

Fire, Decay and Insects

There's an extra profit margin in jobs that require fire retardant wood. Get our folder today—and see to it that you get the fire retardant wood business on all hangars, schools, theatres, etc. A little initiative, a little salesmanship and Protexol Triple-Proofed lumber—rated by Underwriters' Laboratories and backed by 50 years of success—will pay you excellent profits. Others are doing it. Investigate today.

PROTEXOL CORPORATION

105 Market St.
KENILWORTH 12, N. J.

mand and it became increasingly evident that if the construction industry, made up of manufacturers, wholesalers, dealers, architects, contractors, realtors, mechanics and home financing agencies, was to be kept busy, someone in the industry would have to do a consumer merchandising job which would be competitive with the advertising and selling programs of other industries.

Obviously, it was a job to be done by the investment factors in the industry,—the factors with plants, equipment, buildings, sales rooms and inventories. Further, it was evident that, inasmuch as the building industry is primarily a local industry in a package production sense, the lumber and building material dealer would, necessarily be the key factor in such a development.

Certain pioneering dealers started to organize construction package merchandising as early as 1928, and from that time until the outbreak of the War, through the national marketing efforts of manufacturer-dealer educational programs, editorial leadership on the part of construction trade journals, and the leadership of forward thinking association officials, consumer merchandising grew by leaps and bounds.

In the Fall of 1944 a national survey showed that 49 percent of all the dealers in the country were actually selling complete units, involving both labor and materials, direct to the consumer.

During the year 1945, several regional associations made this merchandising principle the subject of industry-wide study and conferences, culminating in the universal adoption, by one regional association after another of the *Dealer Platform* and *Pledge of Service to the Consumer*.

Today an entire retail industry has started down the road that leads to adequate consumer service in the building industry.

The speed of attainment of this objective will be governed by two factors: 1) the speed with which the dealer will organize to overcome the obstacles to effective consumer merchandising and to set himself up as a central sales headquarters of the local industry; 2) the speed and effectiveness of the organization of manufacturers' support to the dealer.

There are seven major problems facing the dealer as he starts down this consumer merchandising road. Two of these problems are inflation-

SILVER LAKE SASH CORD

DEPENDABLE QUALITY • PACKED IN CARTONS

LOWER PRICED GRADES: EDDYSTONE-PELHAM-NUCORD-BENGAL

SILVER LAKE CO.

MILLS-CHATTAHOOCHEE, GA. SALES--99 CHAUNCY ST., BOSTON

We Cut Down a Tree

Yes, we cut down a tree, a sound tree, suitable for making lumber of Kirby quality. Into Kirby lumber it will go . . . but hold a minute, friend retailer, don't cheer too soon, for though you may consider Kirby a "big mill" product, no big mill, nor group of big mills can make enough lumber to satisfy the demand under present conditions.

Until restrictive regulations are removed lumber production cannot possibly reach its peak, and production is the cure for our ills.

KIRBY LUMBER CORPORATION

Yellow Pine Southern Hardwoods

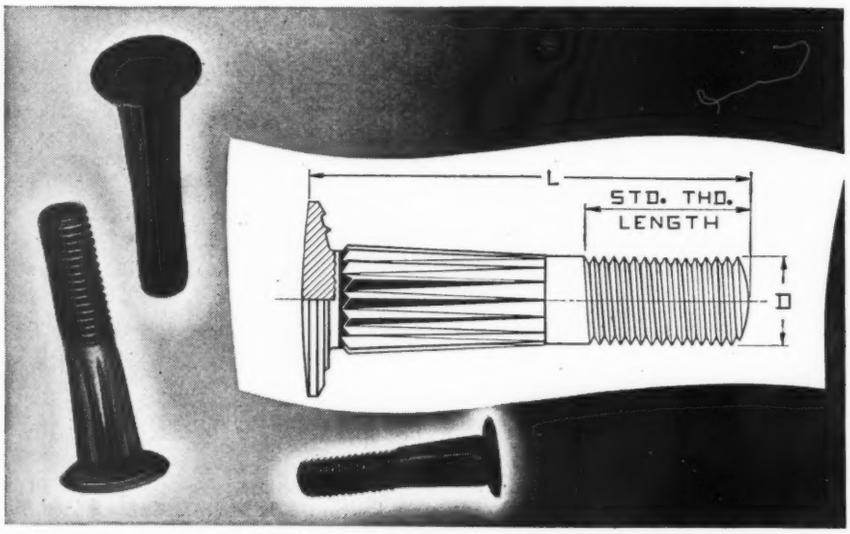
"A Wood for Every Purpose"

KIRBY BUILDING HOUSTON, TEXAS

VESTAL LUMBER & MFG. CO.
INCORPORATED

KNOXVILLE, TENNESSEE

MILLS: Knoxville, Tenn. - Duff, Tenn. - Sardis, Ga.
Williamsburg, Ky. - Columbia, S. C.



THIS IS A WEATHER-TIGHT BOLT
a new and better bolt for wood

Lamson *Weather-tight* bolts represent a fundamental improvement in bolts designed especially for wood, and offer many advantages over common bolts. Railroad car builders are using millions of them for interior sheathing of box cars.

Note these advantages: shank of a *Weather-tight* bolt gives six times as much gripping power in a bored hole as a carriage bolt. Tapered, splined shank prevents bolt turning in hole when the nut is applied. No counter-boring is needed for a *Weather-tight* bolt—head draws down flush with surface when tightened. There is no depression around head for dirt and moisture to collect, to later rot the wood and rust the bolt. Under-side of head has two concentric, V-shaped ribs, which compress, *but do not splinter* the wood fibers when head seats itself. Ribs strengthen head, which cannot "cup", bend or break off. A *Weather-tight* bolt will not split the wood. It is available in 3/16" to 3/4" diameters, any length, with large or small heads, in plain or plated steel; can be made in brass or bronze on special order. You can improve the appearance of your wood assembly with *Weather-tight* bolts—increase sales appeal to customers. Ask for samples in sizes you need for a test.

THE LAMSON & SESSIONS COMPANY, 1971 West 85th Street, Cleveland 2, Ohio
Plants at Cleveland and Kent, Ohio; Chicago and Birmingham

BOLTS AND NUTS • LAG SCREWS • WEATHER-TIGHT BOLTS • STOVE BOLTS • FURNITURE BOLTS

LAMSON & SESSIONS
Ask your Jobber for the Lamson Line

SPECIALS • WASHERS • CHAIR AND LADDER RODS • COTTER PINS • STEP AND ELEVATOR BOLTS

ary, in terms of profit to the dealer, and five are deflationary.

The Inflationary Demand

We not only have the need, accumulating from several years of depression in home building and the shutting off of new home construction during the war, but, on top of this, we have had seven million wartime marriages, and the birth, in the last four years, of ten and one half million babies.

Adding to this inflationary pressure is the enormous purchasing power of the people. Savings have been quadrupled in the last four years, and the cash on hand in the pockets of the people is six times what it was prior to the war.

The Material and Equipment Problem

The immediate effect of shortages in building materials and equipment is of course inflationary and it seems inevitable that prices will be forced to such high points that masses of family buyers will be both unable and unwilling to buy. When that point is reached there will be a rapid drop in the inflationary prices and construction will go on into great volume on a stable basis as it did following the last war.

In connection with this material supply problem, the enormous production capacity of our country should be kept in mind. For example, if we produce 34 to 40 billions of feet of lumber per year, as we have done before, in the next two years, it is probable that supply will quickly catch up with demand and a normal buyers market return to lumber. How long this will take is anybody's guess, but it might be pointed out that we have never had more than 18 months of a peacetime sellers market in our country.

III—Manpower Problem

The shortage of trained manpower throughout the industry is a distinct handicap to an adequate consumer service job. Before we can get on the basis of constructing a million homes per year it is probable that we will have to train more than a million new mechanics in building skills, such as carpentry, plumbing, heating, masonry, etc.

But it is not only in the field of mechanics that we are short of manpower. Our yards and offices are under-manned as far as trained personnel is concerned. We are short thousands of trained sales managers to direct consumer package merchandising in our lumber yards and we are short tens of

thousands of trained salesmen.

To illustrate the woeful shortage of trained men in the consumer selling field, the following chart gives the requirements for a good consumer salesman in the building industry:

1. Married, with one or two children.
2. High School Graduate.
3. Clean record.
4. Good credit.
5. Average health.
6. Loves home and farm life.
7. Makes friends easily.
8. Master of detail.
9. Can talk on his feet before a group.
10. Ambitious.
11. Eager to make money.
12. Good profit sense.
13. Believes in free enterprise.
14. Quick at simple mathematics.
15. A little above average in mechanical sense.
16. Good taste and color sense in architecture and decoration.
17. Wide acquaintance among solid citizens.
18. Persuasive.
19. Persistent.
20. Modest and ingratiating personality.
21. Some teaching experience.
22. Knowledge of what houses and barns are made of and how they fit together.
23. Belief in his company and its management.
24. High regard for, and detailed knowledge of, branded products he sells.
25. Willingness to work evenings.
26. Owns and drives his own car.
27. Good time conserver and work organizer.
28. Self reliant and resourceful.
29. Able to dig up leads for himself where necessary.
30. Thorough low pressure type selling with a consumer service approach.
31. A good purchasing agent for the customer.
32. Loyal to his superiors.
33. Logical thinker.
34. Adept at answering objections.
35. Plenty of common sense.
36. Good visualizer and presentation builder.
37. Good closer.

Even if we allowed as much as 50 percent deviation from this definition, it would still be hard to find adequately trained men for building industry selling.

IV—Unprecedented Competition

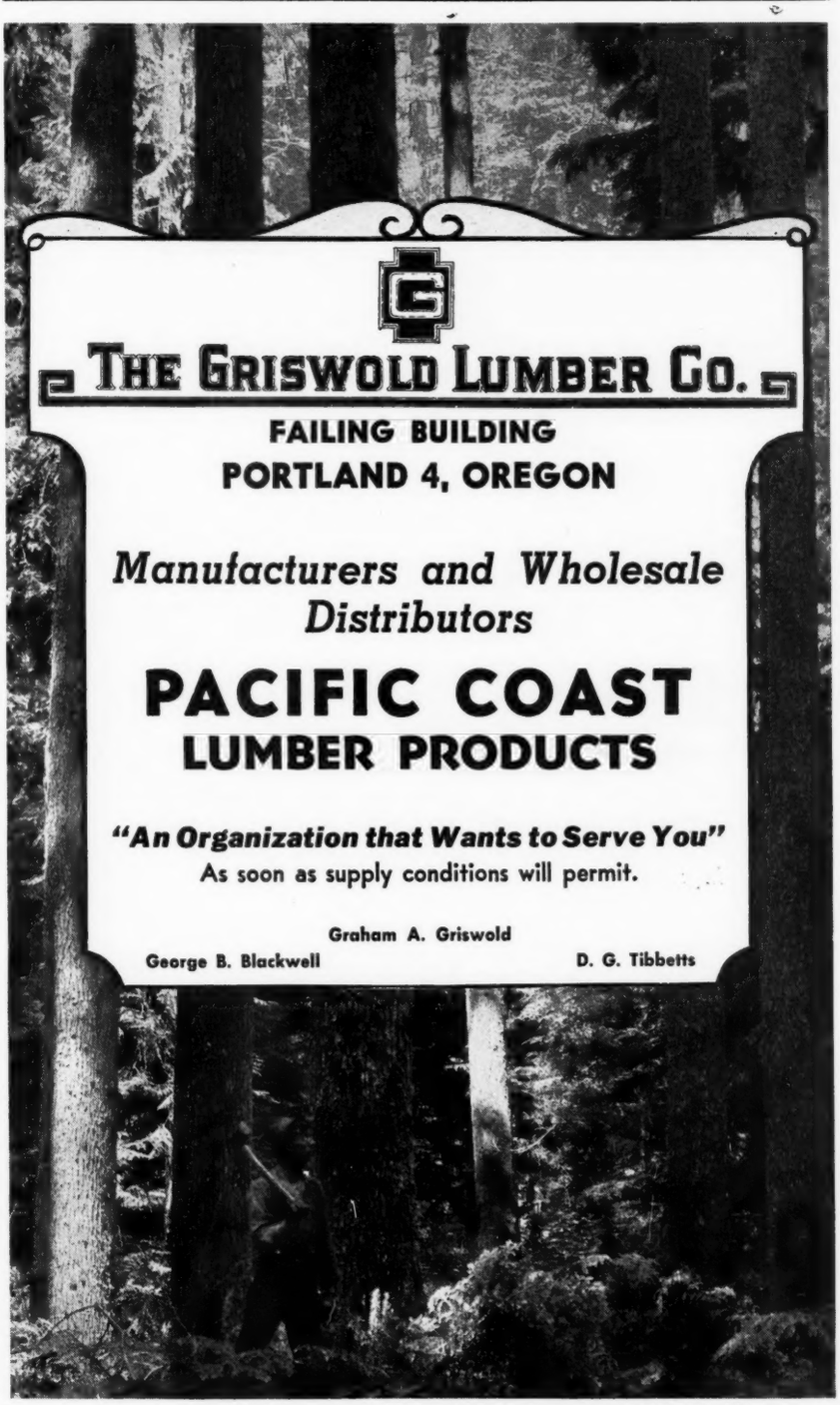
Authorities in the Veterans Administration believe that as many as six thousand new lumber and building material yards will be

SOUTHERN HARDWOODS
YELLOW PINE

•

Woodard-Walker-Bowen, Inc.
Shreveport 94, La.

Member: SOUTHERN WHOLESALE LUMBER ASSOCIATION



started in America in the next three years, but this is only a minor part of the competition to be faced by the dealer. Mail order houses are intensifying their efforts in the building material field. Chain stores, who never thought of merchandising building materials five years ago, are up to their necks in the game today. Department stores in our major cities are running full-page ads offering new homes to be delivered within a one hundred mile radius. Application specialists are growing in number and volume of building package sales. Home improvement companies are springing up over the country, and mass builders are taking on more and more of the functions of the dealer.

The prefabricators are certain to be an important factor in the coming housing market, for two reasons: a) they can do work within the factory with unskilled labor which would require the services of skilled mechanics on the construction site. As long as there is a shortage of skilled mechanics in the country the prefabricators will have the inside track; b) with the new ruling by FHA that one thousand dollars worth of electrical appliances can be included in the home sale and amortized over the life of the first mortgage, it is inevitable that homes of the future will be fully equipped, and this gives the prefabricator another distinct advantage, because he can buy such units by the thousand and secure a distinct price advantage over local retailers.

In connection with this competitive picture, every dealer should take to heart the recent survey of the Curtis Publishing company, which asked several thousand American family consumers in 113 cities, with a population of 10,000 persons up,—"where would you go first when you get ready to acquire your new home?" The answers are startling. Thirty and six-tenths per cent of the families said to the realtor; 22 percent to the contractor; 15½ percent to the architect; 11 percent to the banker; 15 percent said they did not know where to go, and *only 5.9 percent said they would go to the lumber and building material dealer!*

However, this presents more of an opportunity than a danger to the dealer because it shows the confusion that exists in the public mind and how easy it would be to capture the consumer traffic with a central sales headquarters for the local construction industry.

V—Appalling Public Relations

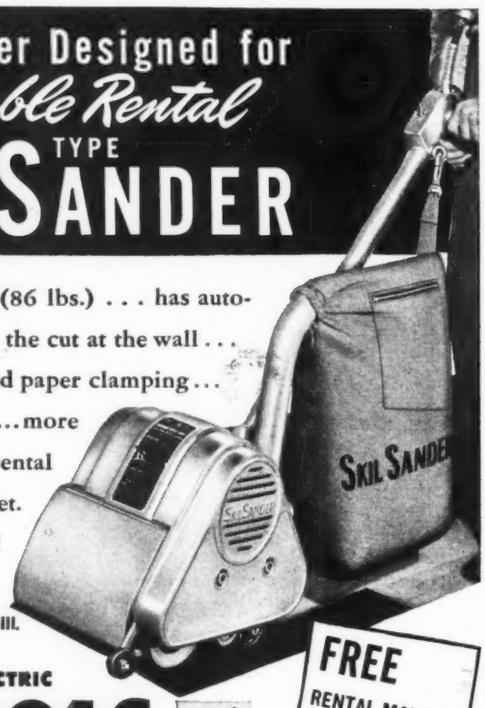
The public relations of the building industry could scarcely be worse and it is a sad fact that the local members of the building industry are hit even harder than the manufacturers because the building industry is primarily a local industry.

When an industry is the butt of hundreds of sarcastic cartoons and the commentaries of our most vile tongued columnists, we have reached an all-time low in public relations. This hits the dealer pretty hard because of the confusion in the public mind as to just

NEW Floor Sander Designed for *Profitable Rental*

DRUM TYPE

SKILSANDER



• It's compact, lightweight (86 lbs.) . . . has automatic drum lift which tapers the cut at the wall . . . single belt drive . . . simplified paper clamping . . . easy-cleaning vacuum system . . . more exclusive features than any rental type floor sander on the market.

Send for FREE Booklet today!

SKILSAW, INC.
5033-43 Elston Avenue, Chicago 30, Ill.
Factory Branches in All Principal Cities

PORTABLE ELECTRIC

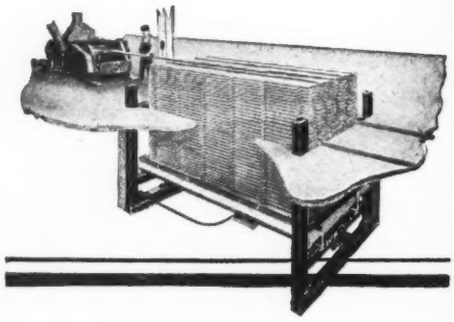
SKILTOOLS

MADE BY SKILSAW, INC.

FREE
RENTAL MANUAL
16 pg. book covers advertising, merchandising policy, deposits, rental rates, sandpaper, instructions to customer, application of finish.

SAVE *with a* LEITELT LUMBER LIFT

Serving:
Your Planer, Cut-off Saw, or other First line machine



SAVE LABOR AND FLOOR SPACE

INCREASE OUTPUT

REDUCE BREAKAGE

Also Manufacturers of:
Power Transfer Cars
Leitelt Swing Tables
Kiln Car-Pullers

Write to:

LEITELT IRON WORKS
Erie Ave., W., Grand Rapids 2, Mich.

Short Supplies Still Plague Your Western Wholesalers

So many buyers are in the market that it continues difficult for your Western Wholesalers to obtain appreciable quantities of lumber.

The fundamental need is increased production. Mill operators are having their troubles to maintain volume.

While your Western Wholesalers would like to offer you encouragement, the signs are still lacking.

Depend on it, your Western Wholesalers will be right on the job ready to perform for you as soon as conditions permit.

Morrill & Sturgeon Lumber Co. MORSTURG The Mark of Quality
Yeon Bldg., Portland, Ore.

WALES LUMBER COMPANY
Old National Bank Building
SPOKANE - - - WASHINGTON

Wendling-Nathan Company
564 Market St., San Francisco 4, Cal.

MAUK SEATTLE LUMBER COMPANY
SEATTLE, WASH.
HOMESTEAD BRAND
WESTERN LUMBER MERCHANTS

CARL SODERBERG LUMBER COMPANY
Manufacturers and Wholesalers
(Sawmill: Pine Products Corp., Prineville, Ore.) Spokane, Washington

what is a retail lumber and building material dealer.

On the other hand, there are elements of optimism for the dealer in this picture because there is only one way to go and that is up, and there is certainly a marvelous opportunity to do a splendid public relations job.

VII—Governmental Interference

In the field of government relations the dealers' position is increasingly vulnerable. The powers-that-be in Washington are beginning to realize that the construction industry is primarily a local industry, and, therefore, the encroachments of government on the construction industry will more and more have a local slant. The dealer has the most to lose in this picture. When the government goes into the housing business they must have the services of the manufacturer, designer, constructor, realtor and the financier, but they can — or think they can—dispense with the services of the retailer. This makes it extremely important that the retail industry do everything possible to assert and defend their right in the industry and prevent extremes of governmental interference.

Meeting These Problems Head-on

There is one basic principle involved in the solution of these problems that a dealer can build upon with assurance of success. This principle never has failed and never will fail in business. It is to build your business on service to the ultimate consumer. This is the soundest principle in the whole history of business. The ultimate consumer of the lumber yard is found in three categories::

1) The family seeking a new home
2) The property owner seeking improved property
3) The farmer who wants better farm buildings

These three vitally important customers are not interested in materials; they are interested in packages of construction service and retail responsibility. Basically, someone in the industry must organize these things for him:

The New Home with the key turned in the door.

The Home Improvement job installed or applied.

The barn built ready for use.

If the dealer will build his business on consumer trade, he will integrate and control the local building industry.

The point of control is the point of sale to the ultimate consumer and the dealer has the choice "to control or to be controlled."

In applying this basic principle

ORDERS ARE FINE . .
when you can fill them.

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For Sale by Lumber & Supply Dealers

the dealer might set up three objectives: 1) to translate vulnerability to invulnerability; 2) to control the sale to the consumer; 3) to organize to satisfy local consumers.

These three objectives once realized will meet the above seven problems. Reaching these goals means better public relations, better governmental relations and better industry relations.

A Technique for Action

In setting out to satisfy local consumers the dealer should first acquaint his entire organization with just what the consumer wants from the local building industry.

The following chart illustrates his wants:

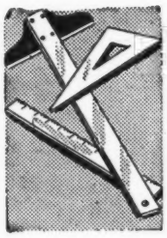
1. A central sales headquarters where he can buy: Completed homes with the key in the door, packaged home improvements and farm buildings.
2. Accurate information—sound advice—coverage of all needs.
3. Good design—quality materials—sound construction.
4. A pre-determined price that will stay put!
5. Reasonable costs—with convenient and safe financing.
6. Ease of purchase — simplified transactions.
7. Responsibility — before and after the sale.

The nearer a dealer comes to providing these requirements, the more control he will have over both competition and profits.

The next step is to provide the above seven types of service to each of the dealer's five classes of customers: home seekers, property owners, farmers, industrial buyers and building industry people.

It becomes evident that to completely satisfy all five types of customers the dealer would really have to set up ten divisions in his business, as follows:

1. The business of providing new homes to families who want them.
2. The business of providing repairs and remodeling for homes.
3. The provision of farm buildings and farm improvements.
4. Commercial, industrial and institutional remodeling and improvements. (The storekeepers on Main Street have actually pre-planned a billion dollars' worth of construction.)
5. Yard fabricated and portable buildings of all kinds including sections of dwellings.
6. Roofing, Siding, Insulation and specialty application business.
7. The provision of all types of



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It will automatically pile unit loads of lumber for yard or kiln drying. It tiers the lumber and automatically places the stickers.

2 men with this machine will pile and stick 180,000 ft. of 4/4 lumber in 8 hours, based on loads averaging 16 ft. in length. One complete tier is laid every 7½ seconds.

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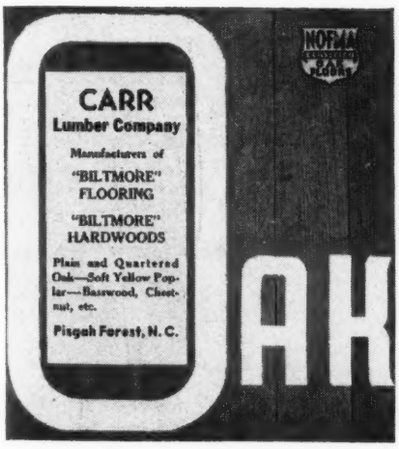

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construction material for contractor sales.

8. The provision of all types of construction materials for industrial sales.
9. Counter and impulse merchandise which the consumer picks up as he wanders through the dealer's display room.
10. The mechanical equipment of a home (Broker).

After such individual organization of the business, the next step would be to let the public—including all five types of buyers—know what services the dealer is offering.

Where Do We Go from Here?

What can we do here and now, and in the coming weeks and months? There is no reason why every dealer, as well as the three out of four who are now doing so, should not fix up his retail plant to become a shopping center for the construction industry, with customers rooms, adequate displays and exhibits, contractor sales headquarters, and, in general, a place where women will feel comfortable shopping.

With the limited supply of materials ahead it is an especially favorable time for the dealer to definitely seize control of the consumer sale in every possible case, and with the dealer's organization experiencing the extra profit and satisfaction in consumer selling and the contractors realizing that a great deal of time is saved for them by the dealer's sales work, it is inevitable that the dealer will eventually reach the goal of a completely adequate consumer service in his market.

Education and Training

We need to train every factor in the construction industry from the top management of our manufacturing organizations right on through every manpower element in the design, engineering, production, finance and distribution of building products, to even the mechanics' helpers on the construction job.

Every one of us must throw overboard any remaining personal complexes against education and training. It is very human to agree that the other fellow needs training, but, to think that we ourselves do not. The more successful we have been—the more profit we have made—the more prone we are to say, "I'm doing all right—I know how to make a profit—nobody is going to tell me how to run my business."

Education doesn't do that. Education and training bring the latest tested and advance techniques,

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Send for this 4-color, illustrated folder, "Put the Sun to Work", and see the 48 ways SUNFED and DOPLEX plastic glazing will save time, work and money for your customers, and make friends and profits for you. You'll learn how these economical, "health" glazings can be sold for:

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Opened up to its full size (12" x 18"), and displayed with rolls or samples of SUNFED and DOPLEX, this folder makes a sales-producing window or store display. From it, your customers can find out about the high quality of SUNFED at its extremely attractive price. And, you can show them how DOPLEX, with its extra weight and 25% extra thickness, affords special protection against low temperatures (down to 40° below zero) and will last far longer than other laminated glazings selling at comparable prices.

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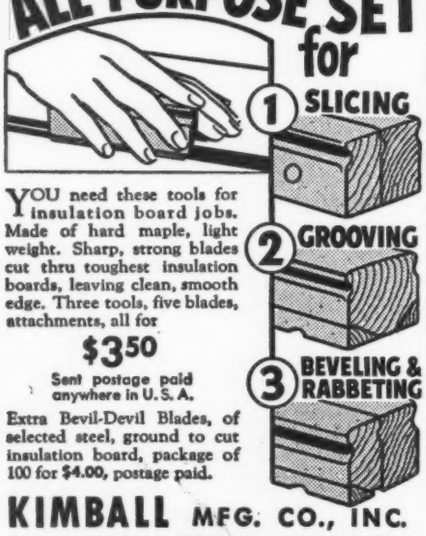

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for better service and profit for the individual to select from and to apply to his own business, as he may see fit.

Anyone looking objectively at the building industry today will say that in spite of the money we have made and are making we don't have quite enough know-how. No organization rises any higher than the man who runs it. Its service standards are no better than those of the employees who contact the customer. This goes for an industry as well as an individual business.

In the building industry we have got to build more speed, efficiency and economy into our operations. Education and training will do just that.

You remember the two-part definition of efficiency: Is the action necessary? Is it being done the easiest, quickest and best way?

If anyone of us will honestly apply that test of efficiency to our daily activities, we must admit we have a great deal to learn.

Shall we not accept the truth that, when we stop learning, we stop growing. This truth applies to profit as well as brains!

In setting up a joint committee on research and marketing, the leading manufacturers and dealers have determined to implement this truth with an adequate industry education and training program.

This program is in the planning stage at present, but I will attempt to answer your questions as to who, where, when, what and how, so that you can, individually, be ready to take advantage of it for yourself and your employees as soon as it is ready.

Training will be made available for manufacturers' representatives, dealers, sales managers, salesmen, yard and office workers, estimators, builders and mechanics. Training will be based on research into the most effective way to perform every function on the distributive chain between the factory doors and the last ultimate service to the consumer.

There will be short courses and refresher sessions for general dealer management, institutes for dealer sales management, separate training schools for estimators and construction superintendents, and thorough courses for dealer and contractor salesmen.

Because of the special suitability of the winter months for intensified training, the actual schools and institutes will probably start next November, and will be repeated next December, January, February and March. But meanwhile those inter-

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ested may expect to receive, during this year, single correspondence lessons as this new training material is built step by step.

Your association members and staff are represented in the planning and preparation of this material, and you will receive progress bulletins from time to time.

These training institutes will be held at central points convenient to all members of the association. The trainee will have the benefit of not only the latest information but of the finest training schools, such as illustrated manuals, slide films, motion pictures, dramatic sketches, meeting guides, quiz techniques, etc. Great progress has been made by the Army and Navy in advance and rapid training techniques and the building industry will have full advantage of these.

This training program will be completely coordinated with the American University training program for future dealers and contractors—it may now be announced that 23 universities offer 4-year courses leading to a degree of Bachelor of Science in light construction, engineering and marketing, to high school graduates who seek a career in the building industry.

You can help your own business by sending to your association for a half dozen copies of the book *New Career Opportunities in the Building Industry*, and placing it in the hands of young men or women graduating from your high school this year who might be interested in taking this course at any one of several universities.

With this new coordinated intensified industry-wide educational program at work, we can look, within a few years, for the building industry to rise to the top among American industries in public relations instead of where we are today.

As we compare our circumstances with the other nations of the world, we should be deeply ashamed that we are permitting the pugnacity, truculence and belligerence in the American character to surmount our innate decency and sportsmanship.

I want to close on a note of individual responsibility. Not one of us can escape our individual responsibility — our personal challenge in tomorrow's world. "The renewal of the right spirit" starts with the individual. It is time to take an inventory of our personal stewardship; a time for measuring our personal responsibility under these challenges of tomorrow.

Your jobber can give immediate delivery on Durham's Rock-Hard Water Putty. Packed twelve 1-lb. cans or four 4-lb. cans to case. Also available in 25, 50 and 100-lb. drums for large industrial users.

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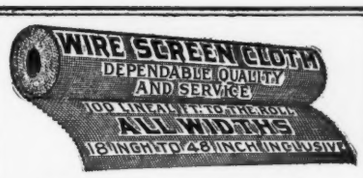

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Carolina Lumber & Building Supply association: E. M. Garner, secretary, Builders building, Charlotte.

Central Kansas Lumbermen's association: M. L. Doner, secretary, Salina.

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Lumber Dealers' Association of Western Pennsylvania: R. F. McCrea, secretary, Plaza building, Pittsburgh 19.

Lumbermen's Association of Texas: Gene Ebersole, executive vice president, Second National Bank building, Houston.

Lumber Merchants' Association of Northern California: Bernard B. Barber, secretary, 1833 Broadway or P. O. Box 623, Fresno.

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Michigan Retail Lumber Dealers' association: Hunter M. Gaines, secretary, Capitol Savings & Loan building, Lansing 68.

Middle Atlantic Lumbermen's association: Ray E. Latshaw, secretary, 1528 Walnut street, Philadelphia.

Mississippi Retail Lumber Dealers' association: E. B. Lemmons, secretary, Deposit Guaranty Bank building, Jackson 14.

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Mountain States Lumber Dealers' association: Joseph V. Smith, secretary-manager, Colorado National Bank building, Denver.

Nebraska Lumber Merchants' association: Phil Runion, secretary, Terminal building, Lincoln 8.

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New Jersey Lumbermen's association, H. K. Dilley, secretary, 605 Broad street, Newark 2.

North Dakota Retail Lumbermen's association: John F. Alsop, secretary, P. O. Box 467, Fargo.

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Northeastern Retail Lumbermen's association: Paul S. Collier, secretary-manager, 82 St. Paul street, Rochester 4, N. Y.

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Northwest Missouri Retail Lumbermen's association: Elmer Ford, secretary, c/o Hyde Valley Lumber company, St. Joseph, Mo.

Northwestern Lumbermen's association: W. H. Badeaux, secretary, Foshay Tower, Minneapolis 2.

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Southern California Retail Lumbermen's association: Orrie W. Hamilton, secretary-manager, 111 West Seventh street, Los Angeles.

Southwest Missouri Retail Lumber Dealers' association: Grover McSpadden, secretary, Springfield.

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Southwestern Lumbermen's association: J. E. Johnston, secretary-manager, R. A. Long building, Kansas City 6.

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Texas Line Yard Retail Lumber Dealers' association: George H. Zimmerman, secretary, Waco.

Vermont Retail Lumber Dealers' association; Nathan Flint, secretary, c/o Flint Bros. Lumber company, Barre, Vt.

Virginia Building Material association: Harris Mitchell, secretary-manager, 3303 Monument avenue, Richmond 21.

Western Retail Lumbermen's association (U. S.): W. C. Bell, managing director, Lloyd building, Seattle 1.

West Virginia Lumber & Builders' Supply Dealers' association: Sam H. Diemer, secretary, Box 1589, Fairmont, W. Va.

Wisconsin Retail Lumbermen's association: Don S. Montgomery, secretary, 626 East Wisconsin avenue, Milwaukee 2.

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Appalachian Hardwood Manufacturers, Inc.: C. H. Clendening, secretary-manager, 414 Walnut street, Cincinnati 2.

California Redwood association: Kenneth Smith, president, 405 Montgomery street, San Francisco 4.

Carolina Virginia Lumbermen's Club: H. Wiley Sholer, secretary-treasurer, P. O. Box 623, Lenoir, N. C.

Douglas Fir Plywood association: W. E. Difford, managing director, Tacoma building, Tacoma 2.

Hardwood Dimension Manufacturers' association: Louis J. Bosse, secretary-treasurer, Heyburn building, Louisville.

Indiana Hardwood Lumbermen's association: Roy C. Brundage, secretary-treasurer, West Lafayette, Ind.

Mahogany Association, Inc.: George N. Lamb, secretary-manager, 75 East Wacker drive, Chicago 1.

Maine Hardwood Manufacturers association: Everett F. Greaton, secretary, Auburn.

Maple Flooring Manufacturers' association: E. C. Singler, secretary, 332 South Michigan avenue, Chicago 4.

Michigan Sawmill Operators' association: Glenn Murray, secretary-manager, c/o Murray Brothers, Dexter, Mich.

Montana Lumber Manufacturers' association: Maurice E. Boorman, sec., Noffsinger Block, Kalispell, Mont.

National Hardwood Lumber association: John W. McClure, secretary, 59 East Van Buren street, Chicago 5.

National Oak Flooring Manufacturers' association: Henry H. Willins, secretary, Dermon building, Memphis.

New England Lumbermen's association: D. L. Bennett, secretary, Amoskeag Bank building, Manchester, N. H.

Northeastern Lumber Manufacturers' association: R. E. Broderick, secretary, 271 Madison avenue, New York 16.

Northern Hemlock & Hardwood Manufacturers' association: O. T. Swan, secretary-manager, Oshkosh, Wis.

Northern Pine Manufacturers' association: W. A. Ellinger, secretary-treasurer, 4438 Wentworth avenue, Minneapolis.

Southeastern Hardwood Manufacturers' Club: Ethalind McCarthy, temporary secretary, Box 448, Jacksonville 1.

Southern Cypress Manufacturers' association: J. A. Prestridge, secretary, Barnett National Bank building, Jacksonville 1.

Southern Hardwood Producers, Inc.: C. E. Miller, secretary-manager, Sterick building, Memphis.

Southern Lumbermen's Co-operative association: Woolfolk Bldg., Albany, Ga.

Southern Pine association: H. C. Berckes, secretary-manager, P. O. Box 1170, New Orleans 4.

Southern Woodwork association: W. B. Willingham, Jr., P. O. Box 2213, Atlanta.

The Veneer association: Charles E. Close, secretary-treasurer, 616 South Michigan avenue, Chicago 5.

West Coast Lumbermen's association: H. V. Simpson, secretary-manager, Stuart building, Seattle 1.

West Side Hardwood Club: O. S. Robinson, secretary, Box 174, Camden, Ark.

Western Pine association: S. V. Fullaway, Jr., secretary-manager, Yeon building, Portland 4, Ore.

Western Red & Northern White Cedar association: W. H. Jones, sec.-mgr., Peyton building, Spokane 8.

West Side Lumber association: W. W. Findley, secretary-treasurer and manager, Little Rock.

Willamette Valley Lumbermen's association: H. J. Cox, secretary-manager, P. O. Box 112, Eugene, Ore.

Port Orford Cedar Lumber association: c/o B. V. Hancock, secretary, Evans Products company, Marshfield, Ore.

WHOLESALE AND COMMISSION LUMBER ASSOCIATIONS

National-American Wholesale Lumber association: Sid L. Darling, secretary, 41 East 42nd street, New York.

National Association of Commission Lumber Salesmen, Inc., F. J. More, secretary-manager, 4903 Delmar boulevard, St. Louis 8.

National Association of Hardwood Wholesalers: G. A. Vangsness, secretary, 166 West Jackson boulevard, Chicago 4.

National Hardwood Lumber association: John W. McClure, secretary, 59 East Van Buren street, Chicago 5.

National Wholesale Lumber association: J. Jackson Kidd, secretary, Kidd & Buckingham Lumber company, Baltimore.

Associated Lumber & Allied Materials Salesmen of New Jersey (ALAMS): Milton L. Dake, secretary, 144 Milton place, South Orange.

Carolina Lumber & Material Salesmen's association: George W. French, secretary, Charlotte, N. C.

Empire State Lumber Salesmen's association: John C. Artz, secretary, 82 St. Paul street, Rochester 4, N. Y.

Long Island Salesmen's association: R. H. Delano, secretary, 126 Maple street, Great Neck, N. Y.

Michigan Association of Traveling Lumber & Sash Door Salesmen: A. C. Blixberg, secretary, 3310 Hazelwood avenue, Detroit 6.

Mississippi Valley Lumber & Sash & Door Salesmen's association: Fred B. Anderson, secretary, F. B. Anderson Lumber company, Minneapolis.

New England Wholesale Lumber association: David M. Osborne, secretary, Osborne Lumber company, Boston.

Northwestern Hardwood Lumbermen's association: A. F. Wellesley, secretary, Minneapolis.

Pacific Coast Wholesale Hardwood Distributors' association: James Davis, secretary, Davis Hardwood company, San Francisco.

Southern Wholesale Lumber association: Robert F. Darrah, 700 Jackson building, Birmingham, Ala.

Union Association of Lumber & Sash & Door Salesmen: John P. Bartelle, secretary, 435 West Bancroft street, Toledo, Ohio.

WOODWORKING, LOGGING AND MISCELLANEOUS LUMBER AND ALLIED ORGANIZATIONS

American Forest Products Industries, Inc., 1319 Eighteenth street, N. W., Washington 6, D. C. Richard A. Colgan, Jr., manager; Henry Bahr, secretary.

American Forestry association, 919 Seventeenth street, Washington 6, D. C. Ovid Butler, executive secretary.

American Hardwood Exporters, Inc., 602 Carondelet building, New Orleans. A. E. Hegewisch, sec.

American Veneer Package association, 2101 K street, N. W., Washington 7, D. C. Robert W. Davis, secretary-manager.

American Wood Preservers' association, 1427 Eye street, N. W., Washington 5, D. C. Horace L. Dawson, secretary.

Arkansas Soft Pine Bureau, Boyle building, Little Rock, Ark. Robert H. Brooks, manager.

Associated Cooperage Industries of America, 408 Olive street, St. Louis 2. M. T. Rogers, secretary.

Association of State Foresters, Glen R. Durrell, sec., Oklahoma City.

Blackfoot Forest Protective association, Charles P. Keim, secretary, Box 1167, Missoula, Mont.

California Lumbermen's Accident Prevention association, 1924 Broadway, Oakland 12, Calif. D. N. Edwards, secretary.

Cedar Chest Manufacturers of America, American Furniture Mart, 666 Lake Shore drive, Chicago 11. D. H. Caswell, secretary.

Central Committee on Lumber Standards, Washington, D. C. L. W. Smith, sec.

Douglas Fir Export company, 1125 Henry building, Seattle. L. E. Force, gen. mgr.

Eastern Woodwork Bureau, 103 Park avenue, New York. Wm. Lucas, sec.

Fir Door Institute, Tacoma building, Tacoma. W. E. Difford, managing director.

Forest Farmers Association Cooperative, Colin P. Kelly, executive director; Wayne G. Miller, executive secretary, P. O. Box 692, Valdosta, Ga.

Hardwood Plywood Institute, 616 South Michigan avenue, Chicago 5. Charles Close, secretary.

Hickory Handle association, Hope, Ark. Guy E. Basye, sec.

Intercoastal Lumber Distributors' association, 205 East 42nd street, New York 17. E. M. Battenberg, secretary.

Intermountain Logging Conference, c/o Charles P. Keim, secretary, 447 North Higgins avenue, Missoula, Mont.

International Concatenated Order of Hoo-Hoo, 404 East Wisconsin avenue, Milwaukee. Ben F. Springer, secretary.

Lumber Manufacturers Association of Southern New England, Ansonia, Conn. Theodore L. Bristol, sec.

Lumber Products association, 74 New Montgomery street, San Francisco.

Manufacturing Woodworkers Association of N. Y., 112 Park avenue, New York. David Miller, exec. sec.

Michigan Sawmill Operators' association, c/o Forestry Department, Michigan State college, Lansing. Glenn D. Murray, secretary-manager.

Mid-Northern Woodwork association (jobbers), P. O. Box 418, Davenport, Iowa. J. F. Young, sec.

National Association of Wood Heel Manufacturers, 191 Merrimack street, Haverhill, Mass. Arthur A. Mullins, exec. sec.

National Door Manufacturers' association, 332 South Michigan avenue, Chicago 4. Ormie C. Lance, secretary-manager.

National Handle Manufacturers association, Arcola, Ill. Frank F. Collins, sec.

National Lumber Exporters association, Sterick building, Memphis. Douglas F. Heuer, secretary.

National Plywood Distributors' association, 111 West Washington street, Chicago 2. R. M. McClure, managing director.

National Wooden Box association, Barr building, Washington 6, D. C. C. D. Hudson, secretary.

North West Woodwork association, 2694 University avenue, St. Paul, Minn. F. H. Pfeiffer, exec. sec.

Pacific Forest Industries, Inc., Tacoma building, Tacoma. Axel H. Oxholm, managing dir.

Pacific Logging Congress, American Bank building, Portland 5, Ore. A. Whisnant, secretary.

Pacific Lumber Carriers association, 311 California street, San Francisco. Robert C. Parker, chairman,

Pacific Lumber Inspection Bureau, Inc., White-Henry-Stuart building, Seattle 1. Frank L. Rogers, secretary-manager.

Pacific Northwest Woodwork association, 3800 Seventh avenue, S., Seattle. E. E. Vogue, secretary.

Pacific Northwest Loggers association, Stuart building, Seattle 1. E. T. Clark, secretary.

Pencil Makers association (wood cased lead pencils), 500 Willow avenue, Hoboken, N. J. John K. Reckford, sec.

Pacific Veneer Package association, 915 Rust building, Tacoma. G. R. Beach, sec.

Pacific Northwest Wholesale Sash & Door association, 1117 "A" street, Tacoma 1. B. G. Young, secretary.

Ponderosa Pine Woodwork association, 111 West Washington street, Chicago 2. Robert M. Bodkin, general manager.

Prefabricated Home Manufacturers' Institute, Shoreham building, Washington, D. C. Harry H. Steidle, managing director.

Railway Tie association, 610 Shell building, St. Louis 3. Roy M. Edmonds, secretary.

Red Cedar Shingle Bureau, White building, Seattle. W. W. Woodbridge, secretary-manager.

Roofer Manufacturers' association, W. R. Melton, secretary, Cuthbert, Ga.

Shook Exporters association (for wooden containers), Pekin, Ill. H. G. Herget, chairman.

Society of American Foresters, 825 Mills building, Washington, D. C. Henry E. Clepper, executive secretary.

Southeastern Box & Shook Manufacturers' association, Johnston building, Charlotte, N. C. Joseph Gall, sec.

Southern Box & Crate association, 313 City Bank building, Shreveport, La. W. S. Cornell, sec.-mgr.

Southern Hardwood Traffic association, Commerce Title building, Memphis. C. A. New, secretary.

Southern Pine Inspection Bureau, A. S. Boisfontaine, secretary-manager. Canal building, New Orleans 4.

Southern Plywood & Veneer, Inc., Johnson building, Charlotte, Joseph Gall, mgr.

Southern Sash & Door Jobbers association, Sterick building, Memphis. W. A. Seagle, secretary.

Southern States Forest Fire Commission, W. L. Shaddix, secretary, Double Springs, Ala.

Southern Woodwork association, P. O. Box 2213, Atlanta. W. B. Willingham, Jr., secretary.

Texas Mill Managers' association, A. E. Cudlipp, secretary, Box 58, Lufkin, Tex.

Texas Millwork association, P. O. Box 1854, San Antonio. H. T. Didesch, secretary.

Upper Peninsula Timber Producers association, Lawrence P. Walsh, secretary, Ontonagon, Mich.

Washington Forest Fire association, 949 Henry building, Seattle. O. Byrstrom, secretary.

Western Forestry & Conservation association, Henry building, Seattle. Clyde S. Martin, secretary.

Wholesalers of Lumberyard Specialties, 111 West Washington street, Chicago 2. A. E. Pye, managing director.

Willamette Valley Logging Conference, P. O. Box 929, Eugene, Ore. H. J. Cox, secretary.

Wooden Box Institute, Call building, San Francisco. Jack H. Dobbin, president.

Wood-For-Venetians association, 5410 Wilshire boulevard, Los Angeles 36. F. M. Binnion, secretary-manager.

Wood Hat Block Manufacturers association, 1440 Broadway, New York. Louis Mehlman, sec.

Wooden Pail & Tub association, 10 McKinley street, Keene, N. H. W. M. Barnard, exec. sec.

Woodwork Jobbers Service Bureau, 30 North La Salle street, Chicago 2. Adolph Pfund, secretary.

Wood Turners Service Bureau, Statler Office building, Boston 16. (Miss) Sigrid E. Swanson, executive secretary.

American Box Shook Export association, Barr building, Washington 6, D. C. C. D. Hudson, manager.

BUILDING MATERIALS AND ALLIED ASSOCIATIONS

American Concrete Pipe Association, 33 West Grand avenue, Chicago 10. M. W. Loving, consulting engineer.

American Hardware Manufacturers' association, 342 Madison avenue, New York.

American Paper & Pulp association, 122 East 42nd street, New York. E. W. Tinker, executive secretary.

American Turpentine Farmers Association Cooperative, 108 West Hill avenue, Valdosta, Ga. J. Lundie Smith, Jr., secretary.

American Zinc Institute, Inc., 60 East 42nd street, New York 17. Ernest V. Gent, secretary.

Asbestos Cement Products association, 17th floor, Inquirer building, Philadelphia 30. Donald Tulloch, Jr., secretary.

Asphalt Roofing Industry Bureau, 2 West 45th street, New York 19. J. S. Bryant, managing director.

Asphalt Tile Institute, c/o Armstrong Cork company, Lancaster, Pa. H. Dorn Stewart, secretary.

Brick Manufacturers' Association of America, merged with Structural Clay Products Institute.

Building Material Exhibitors association, 30 North La Salle street, Chicago 2. Adolph Pfund, secretary.

Cast Stone Institute, 2135 Queens Chapel road, N. E., Washington 18. D. C. Charles G. Walker, managing director.

Clay Products association, 111 West Washington street, Chicago 2. John D. Cook, secretary.

Gypsum association, 211 West Wacker drive, Chicago 6. Henry J. Schweim, secretary.

Indoor Climate Institute, New Center building, Detroit 2. R. E. Moore, secretary.

Insect Wire Screen Cloth Bureau, 74 Trinity place, New York 6. Ralph W. Bacon, secretary.

Insulation Board Institute, 111 West Washington street, Chicago 2. J. B. Blackburn, manager and secretary.

Lead Industries association, 420 Lexington avenue, New York. Felix E. Wormser, secretary.

Metal Lath Manufacturers' association, Engineers building, Cleveland 14. Arthur J. Tuscany, commissioner.

Metal Window Institute, 1427 Eye street, Washington, D. C. Myron J. Jones, technical assistant.

National Coal association, 804 Southern building, Washington 5, D. C. J. D. Battle, executive secretary.

National Concrete Masonry association, 33 West Grand avenue, Chicago 10. E. W. Dienhart, executive secretary.

National Electrical Manufacturers' association, 155 East 44th street, New York 17. W. J. Donald, managing director; **George B. Cumming,** general secretary.

National Association of Furniture Manufacturers, 666 Lake Shore drive, Chicago. Dr. A. P. Haake, managing director.

National Clean Up & Paint Up Campaign Bureau, 1500 Rhode Island avenue, N. W. Washington, D. C. Ralph W. Emerson, executive secretary.

National Glass Distributors association, 435 North Michigan avenue, Chicago 11. North Storms, secretary.

National Industrial Sand association, 951 Munsey building, Washington 4, D. C. V. P. Ahern, executive secretary.

National Lime association, 927 Fifteenth street, N. W., Washington 5, D. C. Walter S. Stauffer, president and general manager; **W. Vernon Brunbaugh,** secretary

National Mineral Wool association, 1270 Sixth avenue, New York 20. Wharton Clay, secretary.

National Paint, Varnish & Lacquer association, 1500 Rhode Island avenue, N. W., Washington 5, D. C. Reuel W. Elton, secretary.

National Ready Mixed Concrete association, 951 Munsey biulding, Washington 4, D. C. V. P. Ahearn, executive secretary.

National Sand & Gravel association, 951 Munsey building, Washington 4, D. C. V. P. Ahearn, executive secretary.

Plate Glass Manufacturers' association of America, First National Bank building, Pittsburgh. P. A. Hughes, secretary.

Plumbing & Heating Industries Bureau, 35 East Wacker drive, Chicago 1. Norman J. Radder, secretary.

Portland Cement association, 33 West Grand avenue, Chicago 10. William M. Kinney, vice president and general manager.

Producers Council, Inc., 122 East 42nd street, New York. J. W. Follin, managing director.

Stoker Manufacturers' association, 307 North Michigan avenue, Chicago 1. Marc G. Bluth, executive secretary.

Structural Clay Products Institute, 1756 K street, N. W., Washington, D. C. J. J. Cermak, managing director.

Wall Paper Institute, 19 West 44th street, New York 18. W. L. Carver, secretary.

Window Glass Manufacturers' association, 19 West 44th street, New York. Charles R. Stevenson, secretary.

Wholesalers of Lumberyard Specialties, 111 West Washington street, Chicago 2. A. E. Pye, managing director.

TECHNICAL AND PROFESSIONAL ASSOCIATIONS

Adhesives Manufacturers' Association of America, 441 Lexington avenue, New York. Edward J. Steiger, managing dir.

Alabama-Florida Turpentine Producers association, Bay Minette, Ala. E. Davidson, sec.

Allied Building Metal Industries, 101 Park avenue, New York. A. W. Nelson, pres.

American Box Shook Export association, 308 Barr building, Washington, D. C. C. D. Hudson, mgr.

American Concrete Institute, New Center building, Detroit 2. Harvey Whipple, sec.

American Hardware Manufacturers' association, 342 Madison avenue, New York. Charles F. Rockwell, sec.

American Institute of Real Estate Appraisers of National Association of Real Estate Boards, 22 West Monroe street, Chicago. Herbert U. Nelson, executive vice president.

American Ladder Institute, 1559 Burbank road, Wooster, Ohio. J. E. Weiser, sec.

American Leather Belting association, 100 Gold street, New York. J. Louis Nelson, sec.

American Pulpwood association, 220 East 42nd street, New York. H. E. Brinckerhoff, exec. sec.

American Society of Agricultural Engineers, Box 229, St. Joseph, Mich. Raymond Olney, sec.

American Society of Heating & Ventilating Engineers, 51 Madison avenue, New York city. A. V. Hutchinson, secretary.

American Society of Mechanical Engineers, 29 West 39th street, New York. C. E. Davies, secretary.

American Society for Testing Materials, 260 S. Broad street, Philadelphia. C. L. Warwick, sec.

American Soda Pulp Export association, 230 Park avenue, New York. C. A. Clough, sec.

American Standards association, 29 West 39th street, New York City. P. G. Agnew, secretary.

American Supply & Machinery Mfr. association, 1108 Clark building, Pittsburgh. R. Kennedy Hanson, sec.

Asphalt Institute, 801 Second avenue, New York. W. R. Macatee, managing dir.

Association of American Wood Pulp Importers, 110 E. 42nd street, New York. Johannes Westergaard, pres.

Association of Mfrs. of Wood-Working Machinery, c/o Porter Machinery company, Grand Rapids, Mich. C. O. Porter, pres.

Cement Institute, 111 West Washington street, Chicago 2. A. E. Hjerpe, secretary.

East Central Wooden Box association, 23rd & Smallman streets, Pittsburgh. Helen Robinson, sec.

Eastern Wooden Box association, 80 Boylston street, Boston. C. D. Hudson, pres.

Farm Equipment Institute, 608 So. Dearborn street, Chicago 5. Robert A. Jones, sec.

Glazed Brick & Tile Institute, 1427 Eye street, Washington, D. C. J. J. Cermak, sec.

Linoleum & Felt Base Manufacturers association, 500 Fifth avenue, New York. Chester E. Rahr, gen. mgr.

National Association of Blocking Wood Manufacturers (used by photo-engravers etc.), 270 Broadway, New York. John R. Egner, sec.

National Crushed Stone association, 1735 14th street, Washington, D. C. J. R. Boyd, admin. dir.

National Fire Protection association, 60 Batterymarch street, Boston. Percy Bugbee, general manager.

National Association of Home Builders: Frank W. Cortright, executive vice president, 1737 K street N. W., Washington, D. C.

National Warm Air Heating & Air Conditioning association, 5 East Long street, Columbus, Ohio. George Boeddener, managing dir.

Pacific Coast Asphalt Shingle & Roofing Institute (mfrs.), 1151 South Broadway, Los Angeles. Sylvester L. Weaver, pres.

Pacific Coast Association of Pulp & Paper Manufacturers, Longview, Wash. R. S. Wertheimer, sec.

Plywood Package Institute, 19 West 44th street, New York. Robert D. Magill, sec.

Soda Pulp Manufacturers' association (wood pulp products), 230 Park avenue, New York. R. I. Worrell, sec.

Society of Residential Appraisers, 221 North La Salle street, Chicago. F. Hardinge, Jr., secretary.

U. S. Pulp Producers association, 122 East 42nd street, New York. Oliver M. Porter, sec.

United States Savings & Loan League, LaSalle-Wacker building, Chicago. Morton Bodfish, executive vice president.

CANADIAN LUMBER ASSOCIATIONS

British Columbia Truck Loggers' association: F. H. Adams, Nanaimo, B. C., secretary.

British Columbia Loggers' association: John M. Burke, manager, Vancouver, B. C.

British Columbia Lumber & Shingle Manufacturers' association: T. H. Wilkinson, secretary, Vancouver, B. C.

Canadian Forestry association: Robson Black, president and general manager, Montreal, Que.

Canadian Lumbermen's association: Victoria building, Ottawa, Canada. W. J. LeClair, secretary-manager.

Canadian Hardwood Bureau: Affiliated as part of Canadian Lumbermen's Assn.

Canadian Lumber Distributors' Bureau: Affiliated as part of Canadian Lumbermen's Assn.

Canadian Spruce Bureau: Affiliated as part of Canadian Lumbermen's Assn.

Consolidated Red Cedar Shingle association of British Columbia, Metropolitan building, Vancouver, B. C. G. S. Raphael, secretary-manager.

Interior British Columbia Lumber Manufacturers' association: O. S. Harris, president, Canoe, B. C.

Maritime Lumber Bureau: R. S. Cumming, secretary-manager, P. O. Box 264, Amherst, N. S.

New Brunswick Retail Lumber Dealers' association: R. S. Cummings, secretary, P. O. Box 264, Amherst, N. S.

Northern Interior Lumbermen's association: Hugh Dalton, general secretary; Vancouver, B. C.

Ontario Retail Lumber Dealers' association: Horace Boultbee, secretary-manager, 229 Yonge street, Toronto 2, Ont.

Province of Quebec Lumber Dealers & Manufacturers' association: E. H. Begin, secretary, Gatehouse building, Montreal, Que.

Quebec Province Wholesale Lumber association: Gordon D. Grimshaw, secretary, 3610 Oxenden Ave., Montreal, P. Q.

Western Lumber Manufacturers' Association of Canada: Earl C. King, secretary, Vancouver, B. C.

Wholesale Lumber Dealers' Association of Toronto: H. J. Luck, secretary, Toronto, Ont.

White Pine Bureau: Affiliated as part of Canadian Lumbermen's association.

Western Retail Lumbermen's Association of Canada: W. Y. Strachan, secretary, 407 Scott Block, Winnipeg, Man.

Woodwork Jobbers

ALABAMA

Moore-Handley Hdwe Co Birmingham
Birmingham Sash & Door Co Birmingham Ala
McGowin-Lyons Hdwe & Supply Co Mobile
McPhillips Mfg Co Mobile
Underwood Coal & Supply Co Mobile
Wimberly and Thomas Hdwe Co Inc Birmingham
Anniston Hdwe Co Anniston
Cole Mfg Co 3901 First Av N Birmingham
Mobile Supply Co Mobile
Bloch Brothers Selma
Allen & Jemison Co Tuscaloosa

ARIZONA

Arizona Sash Door & Glass Co Phoenix and Tucson
Galbraith Steel & Supply Co Phoenix
Southwestern Sash & Door Co Inc Tucson & Phoenix
Charles R West Phoenix

ARKANSAS

Dyke Bros Fort Smith North Little Rock Texarkana
Kenney Brothers Fort Smith
Scott Sash & Door Co Little Rock
Long-Bell Lbr Co Fort Smith
Cole Mfg Co Little Rock
Standard Lumber Co Pine Bluff
Wm Cameron & Co Inc Texarkana
Western Door & Plywood Corp Fort Smith
Arkmo Lbr Co North Little Rock

CALIFORNIA

H W Brown Sash & Door Co 1913 E Florence Los Angeles
Cole Door & Plywood Co 1049 E Slauson Av
MacDougall Door & Plywood Co 2035 E 51st Los Angeles
W P Fuller & Co Sacramento San Diego San Francisco
Nicolai Door Sales Co of Calif San Francisco
California Builders Supply Co Oakland
T M Cobb 5800 S Central Av Los Angeles & San Diego
Haley Brothers Santa Monica
Theodore Kornweibel Alhambra
Geo E Ream Co 235 S Alameda St Los Angeles
Pacific Mfg Co Santa Clara
Patten-Blinn Lbr Co 521 E 5th St Los Angeles
Western Door & Sash Co Oakland and Berkeley
Davis Millwork Co 1915 Adeline St Oakland
Wholesale Bldg Sup Co 1607 32nd St Oakland
California Bldrs Supply Co Ltd 19th & S Sts Sacramento
San Francisco Sash & Door Co 290 Valencia St San Francisco
Harrison Wholesale Co Santa Barbara
Lumber Distributors Inc Stockton
T V Walker & Son Burbank
California Door Co Los Angeles
H W Koll Mill & Lbr Co Los Angeles
Downes & Spelman 2309 Adeline St Oakland
Lincoln Lbr Co 2201 E 14th St Oakland
Walter G Brobeck 153 Kearney St San Francisco
Harbor Plywood Corp of Calif 540 10th St San Francisco

COLORADO

Lumber Dealers Inc 1301 Wazee St Denver and Pueblo
Denver Reserve Supply Co 901 Wazee St Denver
Sterling Lbr & Investment Co Denver

CONNECTICUT

Cleary Millwork Co Inc Ansonia
Rogers Sash & Door Co New Britain & Hartford
Patmore Millwork Inc Bridgeport
Brockway-Smith-Haigh-Lovell Co Hamden
Hotchkiss Bros Co Torrington

DELAWARE

Morgan Millwork Co Inc Wilmington

FLORIDA

Atlanta Oak Flooring Co Jacksonville
Jacksonville Sash & Door Co Jacksonville
Gate City Sash & Door Co Ft Lauderdale and Miami
Huttig Sash & Door Co Jacksonville and Miami
A H Ramsey & Sons Inc Miami
Baird Hardware Co Gainesville Ga
Harbor Plywood Corp Jacksonville
Henderson-Fouraker Lumber Co Jacksonville
Wm Curry's Sons Co Key West
Lindsley Lumber Corp Miami
Knight & Wall Company Tampa
Krauss Bros Lbr Co of Fla Tampa

GEORGIA

Addison-Rudesal Co Atlanta
Augusta Lumber Co Augusta
East Side Lumber & Coal Atlanta
Harbor Plywood Corp Atlanta
Neal Blun Co Savannah

IDAHO

W P Fuller & Co Boise
Idaho Supplies Inc Grangeville Lewiston Moscow

ILLINOIS

Clifford E Lamb Aurora
Curtis Companies Inc 1414 S Western Av Chgo 8
Harbor Plywood Corp 1444 W Cermak Rd Chgo 8
Morgan Sash & Door Co 2287 Blue Island Av Chgo 8
Pacific Mutual Door Co 2141 S Throop St Chicago 8
Roberts Sash & Door Co 920 W Cullerton St Chgo 8
White Pine Sash Co 3612 W 38th St Chgo 32
Chicago & Riverdale Lbr Co 341 E 136 Pl Chgo
C L Ibsen Co 2139 Elston Av Chgo
Morgan Sash & Door Co 2287 Blue Island Chgo
Salb Sash & Door 2509 W Cermak Rd Chgo
Carr & Johnston Peoria
Buhai Sash & Door Co 3743 Belmont Av Chgo
Central Millwork Co 4920½ W Fullerton Chgo
Hannapel Door & Plywood Co 525 W 76th Chgo
F T Kartheiser Co 1911 N Harlem Ave Chicago
Geo J Silbernagel 8 S Michigan Ave Chicago
Melrose Mill Co 4257 Lincoln Av Chgo
F A Ringwald Co 353 W Madison Chgo
Roddis Co. 1440 W Cermak Rd Chgo
Frank Veverka Sash & Door Co 59th Av & IC RR Cicero
Alexander Lbr Co Decatur
Valley Mercantile Co Elgin
Lumber Products Co Glencoe
Building Products Elkville
Edward Hines Lbr Co Skokie
Building Materials Wholesale Springfield
James R Fitzpatrick Springfield

INDIANA

Adams-Rogers Co P O Box 154 Indianapolis
Evansville Sash & Door Co Evansville
Midland Building Industries Inc 907 East Michigan St Indianapolis 6 Ind
Hoosier Sash & Door Co Inc Anderson
Raymond W Stremming Evansville
Tri-State Wholesale Sash & Door Co Evansville
American Plywoods & Millwork Co Indianapolis
Hass Millwork & Bldg Materials Inc South Bend
Building Products Co Evansville
Indiana Reserve Supply Co Inc Fort Wayne
Koschnick & Co Indianapolis

IOWA

Curtis Companies Inc Clinton and Sioux City
Wood Products Co Waterloo
National Lbr & Shingle Co Des Moines
Williams & Hunting Co Cedar Rapids
Loetscher & Burch Mfg Co Des Moines
F I Products Co Fort Dodge
Fort Dodge Wholesale Distributing Co Fort Dodge

KANSAS

Curtis Companies Inc Topeka
Pacific Mutual Door Co., Kansas City
Rounds & Porter Co Wichita
United Sash & Door Co Wichita

KENTUCKY

Central Kentucky Supply Co Lexington
Louisville Sash & Door Co Louisville
Lumbermen's Wholesale Service Inc Louisville
Welker Sash & Door Co Inc., Louisville
Paducah Sash & Door Co Paducah, Ky
Big Sandy Hardware Co Paintsville
Byron Sash & Door Co Louisville
Huttig Sash & Door Co Hughes Division Louisville

LOUISIANA

Davidson Sash & Door Co Inc Alexandria and Lake Charles
Cole Mfg Co 1740 Poydras New Orleans
Madison Lbr Co 721 S Claiborne Av New Orleans
Tulane Hdwd Lumber Co Inc 4200 Tulane Av New Orleans
Allen Millwork Mfg Co St Vincent Av & 63rd Shreveport
Gulf States Plywood Co 781 La Salle St New Orleans
New Orleans Sash & Door Co 2730 Clio St New Orleans
Lumber Dealers Supply Co Inc Baton Rouge
Bacon Lbr Co Whitney Bldg New Orleans
Lumbermen's Supply Co Monroe

MAINE

H F Farnham Company Portland
Brockway-Smith-Haigh-Lovell Co Portland

MARYLAND

Dixie Millwork Co Inc Hagerstown
Morgan Millwork Co Inc 113 W North Av Baltimore
Radford & Sanders Inc 612 W Pratt Baltimore

Dealers Warehouse Supply Co Inc Hillen & Exeter Sts Baltimore
Pacific Mutual Door Co 1407 Fleet St Baltimore
Harbor Sales Co Inc 1501 S Warner St Baltimore
Buchanan Lbr Co Cumberland
Delmarva Sash & Door Co Inc Sudlersville

MASSACHUSETTS

Brockway-Smith-Haigh-Lovell Co 465 Medford Boston and Lynn
Hall-Gregg Inc 309 Beacon St Somerville
Brittain & Cannon Co., Watertown
Martin Lumber Co Springfield
F H Newton Co Inc Somerville
Roddis Plywood & Door Co Inc 15 Carleton St Cambridge
Richards & Davis Fall River
A W Hasting & Co Inc Somerville
Springfield Millwork Co Springfield
Kimball Lumber Co Watertown
W H Sawyer Lumber Co Worcester

MICHIGAN

Curtis Ros Co 5159 Loraine Av Detroit 8
Flint Sash & Door Co Flint 1 and Saginaw
Grand Rapids Sash & Door Co Grand Rapids 8
Kimball & Wilson Inc 2127 Fenkell Av Detroit 3
Kneeland-Bigelow Distrib Co Bay City
Porter-Hadley Co Grand Rapids 2
Royal Oak Wholesale Co Royal Oak
Teachout Sash Door & Glass Co Brandt and Wyoming Sts Detroit 10
Welch Sash & Door Co Port Huron
Wolverine Shingle & Lumber Co 14930 Linwood Av Detroit 21
Mershon Eddy Parker Co Saginaw
Saginaw Lumber Co Saginaw
Kimball & Wilson 2127 Fenkell Av Detroit
Pfaff Sash & Door Co 14291 Meyers Rd Detroit
Wholesale Lbr & Bldg Matls Inc 7500 E Davison Av Detroit
Wolverine Shingle & Lbr Co 14930 Linwood Detroit
Smith-Orr Co Dearborn
Dealers Wholesale Supply Co Inc 12871 Eaton Av Detroit
Lumbermen's Credit & Warehouse Co Kalamazoo
Grand Rapids Sash & Door Co 1300 Turner St Lansing
Continental Screen Co Detroit
C L Ibsen Co 5437 Hecla Ave Detroit
Patterson Lbr Co Detroit
Carl W Scott 12844 Greenfield Ave Detroit
Miller Whlse & Warehouse Co Kalamazoo

MINNESOTA

F I Products Co St Paul
Scott-Graff Co Duluth
Carr-Cullen Co 1030 Marshall St Minneapolis
Curtis Companies Inc 1809 SE Fifth Minneapolis
E E Bach Millwork Co 3121 Hiawatha Minneapolis
Simons Inc 7th St S & Cedar Av Minneapolis
Radford Co 106 N 46th Av W Duluth
Pacific Mutual Door Co 2235 Territorial Rd St Paul
Donlin-Johnson Co St Cloud
Walter Burfeind Co 100 24th Av N Minneapolis
Snell Sash & Door Co 1400 Selby Av St Paul

MISSISSIPPI

Hattiesburg Hdwe Stores Inc Hattiesburg
Allen Millwork Mfg Co Jackson
McGraw-Curran Lbr Co Inc Yazoo City
General Wholesale Co Jackson

MISSOURI

Southwestern Sash & Door Co Joplin
Rust Sash & Door Co Kansas City
Imse-Schilling Sash & Door Co 4217 Beck St St Louis
St Louis Sash & Door Works 3440 N Broadway St Louis
Dyke Bros 13th St & Mulberry Kansas City and Joplin
Toombs-Fay Co 542 W Phelps St Springfield
American Sash & Door Co St Joseph
Central Sash & Door Co Springfield
Southern Supply Co Springfield
Waggener Store Co Festus
Fox Bros Mfg Co 2717 Sidney St St Louis
Theling-Lothman Mfg Co St Louis

MONTANA

Building Service Inc Great Falls Mont
W P Fuller Inc Butte and Missoula
Havre Bldrs Supply Co Havre
Richland Lumber Co Glendive

NEBRASKA

Curtis Companies Inc 645 K St Lincoln
Adams & Kelly 1218 Nicholas St Omaha

NEVADA

Builders Mill Inc Reno

NEW HAMPSHIRE

D'Arcy Co Dover

NEW JERSEY

Pacific Mutual Door Co Garwood
Bosman & Casson Inc Harrison
Jersey Millwork Corp Jersey City
Whittier Lbr & Millwork Co Newark
Reeb Millwork Corp Roselle
Black Millwork & Lbr Co Inc Midland Park
Engler Millwork Corp Jersey City
General Woodcraft Co Inc North Bergen
J R Quigley Co Gloucester City
C R Rudinger Inc Kearney
Central Jersey Wholesale Supply Co Trenton

NEW MEXICO

Southwestern Sash & Door Co Inc Albuquerque
Santa Fe Bldrs Sup Co Santa Fe

NEW YORK

The Blount Lumber Co Oswego County Lacona
General Millwork Corp Utica 1
The Gibson Door Co Utica 4
Iroquois Door Co Buffalo 10 Syracuse 8
Iroquois Millwork Corp Albany 1
Rock Island Lbr Co—Teachout Co Division 52 Leslie St Buffalo 11
Wood Glass Co Syracuse
Robbins Millwork Co Inc Albany
Robbins Door & Sash Co Inc Ithaca
Charles C Kellogg & Sons Utica
J A Melnick 131 51st St Brooklyn
Octavius Leon Inc 20 Worth St Yonkers
Parshelsky Bros Inc 131 Morgan Av Brooklyn
General Millwork Corp 70 Fourth Av Albany
Evans Lumber Co Inc 1698 Genessee St Buffalo
Marvin Millwork Inc Ellenville
Sturtevant Millwork & Lbr Corp Hicksville
Cameron Lumber Co Inc Newburgh
White Wholesale Millwork Inc Ardsley N Y
J A Melnick Co Inc 131 51st St New York N Y
Empire Millwork Corp Northern Blvd at Willets Pt New York N Y
American Screen Distributors 222nd & 97th Sts NY NY
Becker-Danowitz Co Inc 414 Hooper St NY NY
Entenman Millwork Corp 169 Gardner Ave Brooklyn
Glendale Sash & Millwork Corp 71-00 80th St Glendale NY NY
Gottfried Millwork Co 17 Forrest St Brooklyn
Concord Lbr Co Inc Albany
Feldman Wood Products Co 23-49 Borden Ave Long Island City N Y
Hussey-Williams Co Inc 90-15 95th Ave Ozone Park N Y
Whitmer-Jackson Co Buffalo 4 and Rochester 3
Royal Glass Works Corp 50-20 25th St Long Island City N Y
Valentine Stortz & Co 136 Liberty St NYC NY

NORTH CAROLINA

Huttig Sash & Door Co Charlotte
North State Material Co Asheville
Atlanta Oak Flooring Co Charlotte
Barger Millwork Co Statesville
Harris Hdwe Co Washington
Smith Builders Supply Inc Wilmington

NORTH DAKOTA

Minot Builders Supply Minot and Williston
Bardwell-Robinson Co Fargo
Builders Supply Co Bismarck and Fargo

OHIO

Acme Sash & Door Co 2nd and John St Cincinnati 2
Akron Sash & Door Co Akron 11
Collier-Barnett Co Toledo 2
Dayton Sash & Door Co Dayton 2
Great Lakes Sash & Door Co Cleveland 14
Interstate Sash & Door Co Canton 4
Interstate Sash & Door Co 1484 Riverbed Av NW Cleveland 13
Lumbermen's Door & Trim Co 18161 Euclid Av Cleveland 12
Mahoney Sash & Door Co 1908 Mahoning Rd NE Canton 5
Allen A Smith Co Toledo 6
Teachout Sash Door & Glass Co Columbus 15
Throop-Martin Co Columbus 15
Toledo Door & Sash Co Toledo 7
Whitmer-Jackson Co Cleveland
Lumbermen's Wholesale Co Ashland O
Cincinnati Sash & Door Co 942 W 6th Cincinnati
Almas Lumber Company Cleveland
Babin Sash & Door Co Cleveland
Brown-Graves Co Cleveland
Carver-Behan Co Cleveland
Great Lakes Sash and Door Co Cleveland
Interstate Sash & Door Co Cleveland
Lumbermen's Door & Trim Co Cleveland
Rock Island Lumber Co Cleveland
Huttig Sash & Door Co Columbus
Rae Columbus Inc Columbus
Collier Barnett Company Toledo
Allen A Smith Company Toledo
Toledo Door & Sash Co Toledo
Queen City Sash & Door Co 45 Race St Cincinnati
Ohio City Sash & Door Co Dayton

OKLAHOMA

Wm Cameron & Co Altus
Lumbermen's Millwork & Supply Co Ardmore
T H Rogers Lumber Co McAlester
Dyke Brothers Oklahoma City
Long-Bell Lbr Co Oklahoma City
Lumber Mill Sales Co Oklahoma City
Morgan Sash & Door Co Oklahoma City
Oklahoma Sash and Door Co Oklahoma City
Southern Bldrs Supply Co Ada
L C Morgan Sash & Door Co Lawton
Kilpatrick Bros Inc Oklahoma City
Neal Millwork & Supply Co Oklahoma City
General Sash & Door Co Tulsa
Rounds & Porter Co Altus Oklahoma City and Tulsa

OREGON

Western Door & Plywood Corp Albany
W P Fuller & Co Inc Portland
Gilbert Hawley Co Portland
J H Lausmann Co Portland
Lumber Products Inc Portland
Western Door & Plywood Co Lumbermen's Bldg Portland

PENNSYLVANIA

Adelman Lumber Co Pittsburgh 19
Commercial Sash & Door Co Pittsburgh 1
N B Epstein Company Scranton 9
Lyman Felheim Co Erie
Iron City Sash & Door Co Pittsburgh 3
J R Quigley Co Inc Cressona
W C Ashenfelter & Son Inc Philadelphia
Wm H Derr Co Philadelphia
Buchanan Lbr Co Altoona
Reeb Millwork Corp Bethlehem
Delmarva Sash & Door Co Inc Lancaster
Soult Lbr Co Clearfield
Lumico Sales Co 927 N Front St Philadelphia
Robbins Door & Sash Co Scranton Shenandoah and Williamsport

RHODE ISLAND

H A Grimwood Providence

SOUTH CAROLINA

Dealers Supply Co Greenville
Southern Sash & Door Co Greenville
W S Robinson Chester

SOUTH DAKOTA

Dakota Sash & Door Co Aberdeen
Watertown Sash & Door Co Watertown
Kehm Builders Supply Co Sioux Falls
Farley-Loetscher Co Sioux Falls

TENNESSEE

Scheidegger Woodwork Supply Co Chattanooga
Chandler & Co Inc Knoxville
House-Hassen Hdwe Co Inc Knoxville
Huttig Sash & Door Co Knoxville
C M McClung & Co Inc Knoxville
Cole Mfg Co Memphis
Dyke Brothers Memphis
Fischer Lime & Cement Co Memphis
Memphis Sash & Door Co Memphis
Beasley & Sons Co Nashville
J E Chilton Millwork & Lbr Co Nashville
Nashville Sash & Door Co Nashville
Warren Brothers Co Nashville
Summers Hdwe & Supply Co Johnson City

TEXAS

Amarillo Sash & Door Co Amarillo
Lamb Sash & Door Co Amarillo
Davidson Sash & Door Co Austin
Steves Sash & Door Co Corpus Christi
Buell Lbr & Mfg Co Dallas
Clem Lbr Co Dallas
Lyon-Gray Lumber Co Dallas
Moore & Company Dallas
Crawford Mfg Co El Paso
Southwestern Sash & Door Co Inc El Paso
H H Hardin Sash & Door Co Fort Worth
Texas Sash & Door Co Fort Worth
Southmost Sash & Door Co Harlingen
Detering Company Houston
Dyke Brothers Houston
Houston Sash & Door Co Houston
Galbraith Steel & Supply Co El Paso Lubbock Pecos
Wm Cameron & Co Inc Abilene Austin Beaumont Corpus Christi Fort Worth Harlingen Houston Lubbock Lufkin Odessa San Angelo San Antonio Tyler Waco and Wichita Falls
Geo C Vaughan & Sons Houston and San Antonio
Steves Sash & Door Co Houston and San Antonio
Galbraith Steel & Supply Co Lubbock Marfa Pecos
Lubbock Sash & Door Co Lubbock
Lyon-Gray Lbr Co Paris
Sweetwater Sash & Door Co Sweetwater
C D Shamburger Jr Supply Co Wichita Falls
Grayson Millwork & Supply Co Sherman
Huttig Sash & Door Co of Texas Dallas
United Sash & Door Co Amarillo

VIRGINIA

Building Supplies Corp Norfolk
Sash Door & Glass Corp Richmond
Rocky Mount Mfg Co Inc Rockymount
Holland & Beaman Co Suffolk
Binswanger & Co Richmond
Huttig Sash & Door Co Roanoke

WASHINGTON

Puget Supply Co Seattle 11
Savage Lbr & Mfg Co Renton
F. L. Hartung Co Seattle and Spokane
W P Fuller & Co Seattle Spokane Tacoma Walla Walla & Yakima
Johnson & Lundgren Tacoma
Pacific Mutual Door Co Tacoma
Tacoma Sash & Door Co Tacoma

WEST VIRGINIA

Bluefield Sash & Door Co Bluefield
Carolina Lumber Co Huntington
Foster-Thornburg Hdwe Co Huntington
W H Smith Hardware Co Parkersburg
Martin & Jones Inc Ronceverte
W A Wilson & Sons Inc Wheeling

WISCONSIN

Moore & Galloway Lbr Co Fond du Lac
Burmeister Woodwork Co Milwaukee
Racine Millwork & Supply Co Racine
Ellingers Supply Inc Sheboygan
Wilbur Lbr Co Waukesha
Marquart Millwork Co Oshkosh
Morgan Co of Wisconsin Oshkosh
Radford Co Oshkosh
Curtis Companies Inc Wausau
Wilbur Lbr Co West Allis

Wholesalers of Building Materials

ALABAMA

Birmingham Sash & Door Co Birmingham
Underwood Coal & Supply Co Mobile

ARIZONA

Galbraith Steel & Supply Co Phoenix
O'Malley Lumber Co Phoenix
Southwestern Sash & Door Co Inc Phoenix and Tucson

ARKANSAS

Dyke Bros Fort Smith North Little Rock and Texarkana
Arkmo Lbr Co North Little Rock
Wm Cameron & Co Inc Texarkana

CALIFORNIA

Mathews & De Haven Inc Fresno
Accepted Materials Co Los Angeles
Downes & Spelman 2309 Adeline St Oakland
Special Materials 3330 E 12th St Oakland
Golden State Flooring Co 375 Rhode Island St San Francisco
Harrison Wholesale Co Santa Barbara
Building Matl Distributors Stockton
Reserve Warehouse Inc Oceanside
Pacific Coast Aggregates Inc San Francisco
Perry E Canfield Burbank
R J M Co Los Angeles
Reserve Warehouse Inc Oceanside
Western Bldrs Supply Co San Francisco
Lumbermen's Supply Inc P O Box 150 Sacramento
Wholesale Bldg Supply Inc Oakland

COLORADO

Denver Reserve Supply Co Denver
Hallack & Howard Lbr Co 7th & Larimer Sts Denver
Sterling Lbr & Investment Co Denver
Lumber Dealers Inc Denver and Pueblo

FLORIDA

Stringfellow Supply Co Gainesville
Logan Lbr Co Tampa
Calvit Howell & Co Jacksonville
Bailey's Lbr Yard Inc Miami
Booker & Dickson Inc Tampa
Knight & Wall Co Tampa
Gate City Sash & Door Co Ft Lauderdale and Miami
Dania Lbr & Supply Co Hollywood and Miami
Henderson-Fouraker Lbr Co Jacksonville
Lindsley Lbr Corp P O Box 774 Sta 5 Miami

IDAHO

Atkinson Reilly Co Inc Boise
Continental Lumber Co Boise
Idaho Supplies Inc Grangeville Lewiston and Moscow
Morrison-Merrill & Co Inc Pocatello

ILLINOIS

Alexander Warehouse & Sales Co 20 W Jackson Blvd Chicago; also Aurora Joliet and Urbana
Valley Mercantile Co Elgin
J L Keith & Son Fairfield
Building Supply Co Granite City
Lumber Dealers Supply Co Libertyville
Rock Island Warehouse Sales Co Rock Island
State Line Builders Supply Co South Beloit
Rinkenberger Co Washington
East Side Lumberyard Supply Co East St Louis
Building Products Elkville
Building Materials Wholesale Springfield
Edward Hines Lbr Co 77 W Washington St Chgo and Skokie
Washington Supply Co Washington
Chicago & Riverdale Lbr Co 341 E 136 Pl Chgo

INDIANA

Building Products Co Inc Evansville
Indiana Wholesalers Inc Evansville
Raymond W Stremming Evansville
Curdes Lumber Co Inc Fort Wayne
Great Lakes Distributing Co Ft Wayne and South Bend
Indiana Reserve Supply Co Ft Wayne
Michigan Wholesalers, Inc Fort Wayne
Carter-Lee Lbr. Co Indianapolis
Indianapolis Plywood Co Indianapolis
Lumberman's Wholesale Supply Co Indianapolis
Wabash Valley Lbr. & Supply Co Inc Terre Haute
Midland Building Industries Inc 907 East Michigan St Indianapolis 6 Ind

IOWA

Lumbermen's Associated Buyers Co Inc Cedar Rapids and Des Moines
Tip-Top Distributing Co Cedar Rapids Des Moines and Storm Lake
Williams & Hunting Co Cedar Rapids
Joyce Lbr & Supply Co Council Bluffs
Loetscher & Burch Mfg Co Des Moines
F I Products Co Fort Dodge
Ft Dodge Wholesale Distributing Co Ft Dodge
Thos Mould Lbr Co Sioux City
Perry E Canfield Waterloo
Waterloo Roofing & Supply Co Waterloo
Wood Products Co Waterloo

KANSAS

L J White Lbr Co Hutchinson
Badger Lbr Co Kansas City
T F Martin Lbr Co Topeka
Lumber Dealers Service Co Kansas City
Rock Island Warehouse Sales Co Wichita
Wichita Bldg Material Co Wichita

KENTUCKY

Central Kentucky Supply Co Lexington
Mutual Service Co Inc Louisville
Lumbermen's Wholesale Service Inc Louisville

LOUISIANA

Lumber Dealers Supply Co Inc Baton Rouge
Madison Lumber Co New Orleans
Central Wholesale Co Inc Shreveport

MASSACHUSETTS

Elhide Co Cambridge
Connecticut Valley Reserve Supply Co Springfield
Diamond Match Co Springfield

MICHIGAN

Grand Rapids Reserve Supply Co Grand Rapids
Porter-Hadley Co Grand Rapids
Western Michigan Bldg Material & Supply Co Grand Rapids
Hamar-Quandt Co Houghton
Consolidated Fuel & Lumber Co Ishpeming
Hartwick-Woodfield Co Jackson
Michigan Wholesalers Inc Jackson
Miller Wholesale & Warehouse Co Kalamazoo
Wholesale Lbr Products Co Muskegon
Saginaw Lbr Co Saginaw
Baker Wholesale Co Battle Creek
Kneeland-Bigelow Distributing Co Bay City
Cadillac Wholesale Supply Cadillac
Hansen Wholesale Lbr Corp Dearborn
Dealers Wholesale Supply Inc Detroit
Lumbermen's Wholesale Supply Co Detroit
Wholesale Lbr & Bldg Materials Inc Detroit
Flint Sash & Door Co Inc Flint
Evans & Retting Lbr Co Grand Rapids
Fir-Tex of Michigan Grand Rapids
Central Bldrs Supplies Co Burr Oak

MINNESOTA

F I Products Co St Paul
Reserve Supply Co St Paul
Woodruff Lbr Co 817 Garfield Ave Duluth
Northwest Supplies Co 1200 Central Ave Minneapolis
Rock Island Warehouse Sales Co 1st Nat Bk Bldg St Paul

MISSISSIPPI

Lumbermens Supply Co Jackson

MISSOURI

Four States Supply Co Carthage
Badger Lumber Co Inc Kansas City
Stark & Co Kansas City
Saint Joseph Bldrs Supply Co St Joseph
Lebanon Wholesale Materials Co Lebanon
Lumberyard Supply Co St Louis
J C Williamson Dexter
Dyke Bros Joplin and Kansas City
Southwestern Sash & Door Co Joplin
Lumbermen's Supply Co Kansas City and St Joseph
Toombs & Co Springfield

MONTANA

Havre Bldrs Supply Havre

NEBRASKA

Central Lbr Sales Co Lincoln
Joyce Lumber & Supply Co Omaha
Byers Lumber Co Hastings
Chicago Lumber Co of Omaha Omaha
Lumbermen's Brick & Supply Co Omaha

NEVADA

Flanigan Warehouse Co Reno

NEW HAMPSHIRE

Diamond Match Co Dover

NEW JERSEY

Fir-Tex of New Jersey Inc Orange

NEW MEXICO

Southwestern Sash & Door Co Inc Albuquerque
Santa Fe Bldrs Sup Co Santa Fe

NEW YORK

Wholesale Service Supply Corp Albany Utica
Diamond Match Co 30 Church St NYC
Harry R Austin Lbr Co Ouaquaga

NORTH CAROLINA

North State Material Co Asheville
Smith Bldrs Supply Inc Wilmington

NORTH DAKOTA

Minot Bldrs Supply Co Minot
Builders Supply Co Bismarck
Minot Builders Supply Co Williston

OHIO

Athens Flooring Co Athens
Rae Columbus Inc Columbus
Lumbermen's Wholesale Co Ashland
Ashtabula County Wholesale Lbr Co Ashtabula
Industrial Wholesale Lbr Co Cleveland
Reserve Supply Co Warren
Michigan Wholesalers Inc Toledo
Rae Bldg Matls Toledo
Union Wholesale Lbr Co Youngstown

OKLAHOMA

Wm Cameron & Co Inc Altus
Lumbermens Supply Co Oklahoma City
Neal Millwork & Supply Co Oklahoma City
Lumber Mills Sales Co Oklahoma City

OREGON

City Lbr & Supply Co Astoria
Shockley Lbr Co Baker
Twin Oaks Bldrs Supply Co Eugene
Gilbert Hawley Co Portland
Bevil & Co 80 SE Madison St Portland
Howard Teel 4621 NE 12th Ave Portland
Lamb-Schrader Co Tillamook

PENNSYLVANIA

M L Claster & Sons Lock Haven
Philadelphia Reserve Supply Co Philadelphia
Soult Lbr Co Clearfield Pa

SOUTH CAROLINA

Piedmont Wholesale Co Greenville

SOUTH DAKOTA

Rapid City Lbr Co Rapid City
Jordan Millwork Co Sioux Falls

TENNESSEE

Bristol Builders Supply Co Bristol
Dealers Supply Co Nashville
Dyke Bros 91 W Virginia Ave Memphis

TEXAS

Buell Lumber & Mfg Co Dallas
Wm Cameron & Co Inc Abilene Austin Beaumont Corpus Christi Fort Worth Harlingen Houston Lubbock Lufkin Odessa San Angelo San Antonio Tyler Waco and Wichita Falls
Chambers Lbr Co Dallas
Huttig Sash & Door Co of Texas Dallas
Galbraith Steel & Supply Co El Paso Lubbock Marfa Pecos
Southwestern Sash & Door Co Inc El Paso
G C Cooley Wholesale Lbr & Bldg Matl Fort Worth
Dyke Bros Houston
Geo C Vaughan & Sons Houston Nederland and San Antonio
Lyon-Gray Lbr Co Dallas and Paris
Gulf State Lbr Co Tyler
Nash Robinson & Co Inc Waco
C D Shamburger Jr Supply Co Witchita Falls

UTAH

R W Frank & Co Inc Salt Lake City
Lumber Dealers Supply Salt Lake City
Morrison-Merrill & Co Inc Salt Lake City

VIRGINIA

Mingo Lime & Lbr Co Grundy

WASHINGTON

Building Supplies Inc Spokane
Idaho Supplies Inc Spokane
Stouffer-Bowman Co Aberdeen
Dealers Warehouse Inc 5202 15th Ave NW Seattle
F L Hartung Co Seattle and Spokane
Palmer G Lewis Co 14 Hanford St Seattle
Lockwood Warehouse Corp 2823 Western Ave Seattle
Lumber Supply & Warehouse Co 535 Elliott Ave W Seattle
Exchange Lbr & Mfg Co Spokane
Johnson & Lundgren Tacoma
Puget Supply Co P O Box 1844 Seattle 11 Wash

WEST VIRGINIA

Hartland Planing Mill Co Clarksburg
Mingo Lime & Lbr Co Williamson
H L Seabright Co Wheeling
W A Wilson & Sons Co Wheeling

WISCONSIN

Lumber Dealers Supply Inc Green Bay
Ellingers Supply Co Inc Sheboygan

Building Products and Equipment Directory

THIS classified list of products, equipment and services used in and by the lumber and building materials industry contains the names of most of the manufacturers and service organizations. For the dealer seeking to expand his lines of merchandise the list should prove helpful.

The directory is presented in streamline style without cross references on the assumption that readers are familiar enough with the use of classified listings to provide their own cross references in those cases where there is reasonable doubt as to the heading under which a particular product or service should be listed. Choice of either the noun or the descriptive adjective as the governing word in determining the classification was made in each case on the basis of which is the dominating word in the opinion of the directory editors.

All product listings are alphabetical except for lumber which will be found in a special section immediately following the other classifications. In this section the types of lumber normally sold by each company are indicated by appropriate symbols.

As readers know many material and equipment shortages have persisted for months since the end of the war. A listing in this directory does not necessarily signify that the material is available in sufficient quantity. It is hoped, however, that the production picture will improve during 1946. For this reason the directory has been made as complete as possible, and dealers should find it a valuable aid in determining lines of merchandise and locating sources.

ABRASIVES—coated

Abrasive Prod Inc So Braintree Mass
American Floor Surfacing Machine Co Toledo 3 Ohio
Armour Sandpaper Wks 1355 W 31st Chgo Ill
Behr-Manning Corp Troy N Y
Carborundum Co Niagara Falls N Y
Clover Mfg Co Norwalk Conn
Mid-West Abrasive Co Detroit Mich
Minnesota Mining & Mfg Co St Paul Minn
Porter Cable Mach Co Syracuse 8 NY
Sandpaper Inc Waltham Mass
The Wellman Products Co 1444 E 49th Cleveland 3 Ohio

ACOUSTICAL MATERIALS

American Felt Co Glenville Conn
Armstrong Cork Co Lancaster Pa
Celotex Corp 120 S LaSalle Chgo Ill (136)
Fir Tex Porter Bldg Portland 4 Ore
Flintkote Co Inc 30 Rockefeller Plaza NY NY (10)
Insulite Co Minneapolis 2 Minn (185)
Johns-Manville Sales Corp 22 E 40th New York 16 N Y (62-63)
Keasbey & Mattison Co Ambler Pa
Kimberly-Clark Corp Kimsul Div Neenah Wis (5)
Lockport Cotton Batting Co Lockport N Y (202)
National Gypsum Co Buffalo 2 N Y (40-41)
Owen-Corning Fiberglas Corp Toledo Ohio
Pacific Lumber Co 100 Bush San Francisco Cal
Pecora Paint Co Inc Philadelphia 40 Pa
Sealcon Products Inc Minneapolis 2 Minn
United Cork Cos South Kearny N J
United States Gypsum Co 300 W Adams Chgo 6 Ill
Wall Products Inc Newark 2 N J
Wood Conversion Co St Paul 1 Minn (18-19)

ADHESIVES

Abesto Mfg Corp Michigan City Ind (233)
American Asphalt Roof Corp Kan Cty Mo
Armstrong Cork Co Lancaster Pa
Barclay Mfg Co 385 Gerard Av Bronx NY
Black Swan Mfg Co 2235 W Grand Av Chgo Ill
E L Bruce Co Memphis Tenn
Philip Carey Mfg Co Cincinnati 15 O
Casein Co of America 350 Madison Av NY NY
Catalin Corp 1 Park Av NY 16 NY
The Celotex Corp 120 S La Salle Chgo Ill (136)
The Commercial Paste Co Columbus O
Consumers Glue Co St Louis Mo
E I du Pont de Nemours & Co Inc Wilmington Del (177)
Durite Plastics Inc 5000 Summerdale Av Philadelphia 24 Pa
The Flintkote Co Inc 30 Rockefeller Plaza NY NY (10)
H B Fuller Co 255 Eagle St Paul 2 Minn
R M Hollingshead Corp Camden N J
The Insulite Co Minneapolis Minn (185)
I F Laucks Inc 911 Western Av Seattle 4 Wash
The Lehon Co 4425 S Oakley Chgo Ill
Le Page's Inc Gloucester Mass
Marsh Wall Products Inc Dover Ohio (24)
The Masonite Corp 111 W Washington Chgo Ill
National Adhesives Div of National Starch Products Inc 270 Madison Av New York 16 N Y
The B F Goodrich Co Akron Ohio
Minnesota Mining & Mfg Co St Paul Minn
Miracle Adhesives Corp Newark 8 N J
Monite Waterproof Glue Co Minneapolis 11 Minn
Monsanto Chemical Co 1700 S Second St Louis 4 Mo (57)
National Casein Sales 601 W 80th Chgo 20 Ill
Paisley Prod Inc 1770 Canalport Av Chgo 16 Ill
Patent Cereals Co Geneva NY
Pecora Paint Co American & Venango Philadelphia 40 Pa
Perkins Glue Co Lansdale Pa
Pittsburgh Plate Glass Co 2000 Grant Bldg Pittsburgh 19 Pa (17)
Presstite Engineering 3900 Chouteau Av St Louis 10 Mo
Prestile Mfg Co 2860 Lincoln Av Chgo 13 Ill
Pyramid Process Co Inc East Rochester N Y
Reilly Tar & Chemical Corp Indianapolis 4 Ind
Republic Creosoting Co Indianapolis 4 Ind
The Resinous Products & Chemical Co Philadelphia 5 Pa
Sargent-Gerke Co Indianapolis 6 Ind
So-Lo Wks Inc Loveland O
Tamms-Silica Co 228 N La Salle Chgo 1 Ill
Tylac Co Monticello Ill
U S Plywood Corp 55 W 44th NY NY (49)
United States Rubber Co 1230 6th Av New York 20 N Y
W F Webster Cement Co Cambridge 41 Mass
X-Pando Corp Long Island City N Y
Youngstown Manufacturing Inc 66 S Prospect Youngstown 6 Ohio (65)

ADJUSTERS—screen & sash

Casement Hdw Co 406 N Wood St Chgo Ill
Champion Hdw Co Geneva O
P & F Corbin New Britain Conn (201)
Dudley Lock Corp 325 N Wells Chgo Ill
Fiwale Equipment Mfg Co 165 Church NY 7 NY
Frantz Mfg Co Sterling Ill (144)
Hope's Windows Inc Jamestown N Y
F D Kees Mfg Co Beatrice Neb
Lockwood Hdw Mfg Co Fitchburg Mass (163)
McKinney Mfg Co Pittsburgh Pa (197)
Nat'l Brass Co Grand Rapids Mich
Norwalk Lock Co 395 Broadway NY 13 NY
Penn Hdw Co Reading Pa
Reading Hdw Corp Reading Pa
Russell & Erwin Div The American Hdw Corp New Britain Conn (202)
The Safe Padlock & Hdw Co Lancaster Pa
Sargent & Co New Haven Conn
Schlage Lock Co San Francisco Cal
Shelby Spring Hinge Co Shelby O
Sterling Hdw Mfg Co 2341 W Nelson Chgo Ill
Yale & Towne Mfg Co Stamford Conn

ADVERTISING SPECIALTIES

American Emblem Co Utica N Y
American Rule & Block Co Menominee Mich
General Wood Works Council Bluffs Ia
L F Grammes & Sons Inc 396 Union Allentown Pa
Littlestown Hdw & Fdry Co Littlestown Pa
Minnesota Specialty Co Second Av N & 4th Minneapolis Minn
The Thos D Murphy Co Red Oak Iowa
Parisian Novelty Co 3510 Western Av Chicago 9 Ill
Reflector Hdwe Corp Western Av & 22nd Pl Chgo Ill
The Sanders Mfg Co Nashville Tenn
Shedd Brown Mfg Co Minneapolis Minn

AGITATORS—paint

Binks Mfg Co 3124 W Carroll Av Chgo Ill
Consolidated Steel Corp Ltd Los Angeles Cal
J H Day Co Cincinnati O
The DeVilbiss Company 300 Phillips Av Toledo 1 Ohio
Diamond Iron Wks Inc Minneapolis 11 Minn
Edge Moor Iron Wks 30 Rockefeller Plaza NY NY
Electric Sprayit Co Sheboygan Wis
Fanner Mfg Co Cleveland O
Miracle Paint Rejuvenator Co St Paul 1 Minn
Paasche Airbrush Co 1909 W Diversey Chgo Ill
Read Mach Co Inc York Pa
Red Devil Tools Irvington 11 NJ (139)
Ridgely Trimmer Co Springfield Ohio
Tamms-Silica Co 228 N La Salle Chgo 1 Ill

Number in parenthesis indicates page on which advertisement appears

AIR COMPRESSORS

Allis-Chalmers Mfg Co Milwaukee 1 Wis (152)
Binks Mfg Co 3124 W Carroll Av Chgo Ill
Davey Compressor Co Kent O
The DeVilbiss Company 300 Phillips Av Toledo 1 Ohio
Electric Sprayit Co Sheboygan Wis
The Filer & Stowell Co Milwaukee 7 Wis
Gardner Denver Co Quincy Ill
Gilbert & Barker Mfg Co West Springfield Mass
Ingersoll-Rand Co 11 Broadway New York 4 N Y
Jaeger Machine Co Columbus Ohio
Paasche Airbrush Co 1909 W Diversey Chgo Ill
Prescott Co Menominee Mich
Sharp Mfg Co 1224 Wall Los Angeles 15 Cal
Sullivan Machinery Co Michigan City Ind
Worthington Pump & Mach Corp Harrison N J

AIR CONDITIONING UNITS

Airtemp Div Chrysler Corp Dayton 1 Ohio
American Radiator & Std Sanitary Corp 40 W 40th NY NY
Carrier Corp Syracuse 1 N Y
Clarage Fan Co Kalamazoo 16 Mich
Excelsior Stove & Mfg Co Quincy Ill
Drayer & Hanson 767 E Pico Blvd Los Angeles 21 Cal
Frigidaire Div Gen'l Motors Sales Corp Dayton O
General Electric Co Apparatus & Merch Dept Bridgeport Conn
International Heater Co Utica 2 N Y
Kelvinator Div Nash Kelvinator Corp Detroit Mich
McQuay Inc Minneapolis 13 Minn
Michel & Pfeffer Iron Wks Inc 1415 Harrison San Fran 3 Cal
Modine Mfg Co Racine Wis
Norge Div Borg Warner Corp Detroit Mich
Penn Boiler & Burner Mfg Corp Box 1079 Lancaster Pa
Round Oak Co Dowagiac Mich
St Louis Blow Pipe & Heater Co St Louis Mo
Trane Co La Crosse Wis
The Waterman-Waterbury Co Minneapolis Minn
Westinghouse Elec & Mfg Co Pittsburgh Pa
Williams Oil-O-Matic Div Eureka Williams Corp Bloomington Ill
Worthington Pump & Mach Corp Harrison N J

ANCHORS—building

Adams Co Dubuque Ia
W Ames & Co Jersey City N J
Chicago Expansion Bolt Co 2240 W Chicago Chgo Ill
Cincinnati Iron Fence Co Inc 2101 Florence Av Cincinnati 6 Ohio
The Davis & Siehl Co Cincinnati 23 O
The Donley Bros Co 13928 Miles Av Cleveland 5 Ohio (221)
Ideal Hanger Co 1272 E 53rd Cleveland 14 Ohio (184)
International Steel Co Evansville Ind
M & M Wire Clamp Co 983-17th Av S E Minneapolis 14 Minn
Jos Oat & Sons Phila Pa
Kelly Steel Works Inc 5767 W 65th Chgo 38 Ill
Paine Co 2951 Carroll Av Chgo Ill
Rawlplug Co Inc 98 Lafayette NY NY
Republic Steel Corp Cleveland O
Southern Wire & Iron Wks 441 Memorial Dr S E Atlanta Ga
St Paul Foundry & Mfg Co St Paul 3 Minn
Stewart Iron Wks Co Inc Cincinnati O
A L Swett Iron Wks Medina N Y
Universal Form Clamp Co 1238 N Kostner Av Chgo 51 Ill
Wilcox Crittenden & Co Inc Middletown Conn

ANCHORS—concrete

Ackerman-Johnson Co 625 W Jackson Blvd Chicago Ill
Bethlehem Steel Co Bethlehem Pa
The Davis & Siehl Co Cincinnati 23 O
Hubbard & Co 6301 Butler St Pittsburgh 1 Pa
Isaacson Iron Wks Seattle Wash
Kelly Steel Works Inc 5767 W 65th Chgo 38 Ill
M & M Wire Clamp Co 983-17th Av S E Minneapolis 14 Minn
Michel & Pfeffer Iron Wks Inc 1415 Harrison San Fran 3 Cal
Rawlplug Co Inc 98 Lafayette NY NY
Richmond Screw Anchor Co Inc 816 Liberty Av Brooklyn N Y
Southern Wire & Iron Wks 441 Memorial Dr S E Atlanta Ga
Star Expansion Bolt Co Inc 147 Cedar New York 6 N Y
Union Steel Prod Co Albion Mich

ANCHORS—guy

W Ames & Co Jersey City 4 N J
A B Chance Co Centralia Mo
The Davis & Siehl Co Cincinnati 23 O
Hubbard & Co 6301 Butler St Pittsburgh 1 Pa
Illinois Malleable Iron Co 1801 Diversey Pkwy Chgo Ill
Iowa Malleable Iron Co Fairfield Iowa
James R Kearney Corp St Louis Mo
Kelly Steel Works Inc 5767 W 65th Chgo 38 Ill
Malleable Iron Fittings Co Branford Conn
W N Mathews Corp St Louis Mo
Michel & Pfeffer Iron Wks Inc 1415 Harrison San Fran 3 Cal
St Louis Malleable Casting Co St Louis Mo

ANVILS—saw setting

E C Atkins & Co Indianapolis Ind
Henry Disston & Sons Inc Tacony Philadelphia 35 Pa
Hanchett Mfg Co Big Rapids Mich
A L Swett Iron Wks Medina N Y

APPRAISERS & ESTIMATORS—industrial

American Appraisal Co Milkaukee Wis
General Appraisal Co Seattle 4 Wash
Industrial Appraisal Co Memphis Tenn
Lloyd-Thomas Co Minneapolis Minn
Southwestern Appraisal Co Kansas City Mo
Standard Appraisal Co 6 Church New York 6 N Y

APRONS—carpenter

Bemis Bros Bag Co St Louis 2 Mo
Canvas Products Co St Louis 4 Mo
Clifton Mfg Co Waco Tex
C R Daniels Inc 44 West NY NY
Economy Novelty & Printing Co 225 W 39th NY NY
Ford Roofing Products Co 111 W Washington Chgo 2 Ill
Fulton Bag & Cotton Mills Atlanta Ga (174)
The Kemper Thomas Co Cincinnati 12 Ohio
Minnesota Specialty Co Second Av N & 4th Minneapolis Minn
Standard Awning Co Hartford Conn
Troy Sunshade Co Troy O
Tucker Duck & Rubber Co Fort Smith Ark
Werner Canvas Products Co 607 Bergen Brooklyn 17 N Y

ARCHES—wood, laminated

Unit Structures Inc Peshtigo Wis
Rilco Laminated Products Inc St Paul 1 Minn (154)
Timber Structures Inc Portland 8 Ore

AREA WALLS—steel

American Rolling Mill Co Middletown O
Bilco Mfg Co New Haven 6 Conn (184)
The Donley Bros Co 13928 Miles Av Cleveland 5 Ohio (221)
Gabriel Steel Co Detroit Mich
Kewanee Mfg Co Kewanee Ill
Majestic Co Huntington Ind
Penn Metal Co Inc 205 E 42nd NY 17 NY
St Paul Corrugating Co St Paul 1 Minn
Sealcon Products Inc Minneapolis 2 Minn
Wheeling Corrugating Co Wheeling W Va (42)

ASH DUMPS

Adams Co Dubuque Iowa
Bennett-Ireland Norwich NY (196)
H W Covert Co 339 E 48th NY NY
The Donley Bros Co 13928 Miles Av Cleveland 5 Ohio (221)
Gabriel Steel Co Detroit Mich
Heatilator Inc Syracuse N Y (137)
Kewanee Mfg Co Kewanee Ill
Majestic Co Huntington Ind
Geo L Mesker Steel Corp Evansville Ind
Michel & Pfeffer Iron Wks Inc 1415 Harrison San Fran 3 Cal
Sealcon Products Inc Minneapolis 2 Minn
Superior Fireplace Co Los Angeles Cal (180)
A L Swett Iron Wks Medina N Y
Western Fdry Co Portland 1 Ore

AWNINGS—store & residence

American Tent & Awning Co 1132 Mission San Francisco Calif
Canvas Products Co St Louis 4 Mo
Clifton Mfg Co Waco Texas
W E Hettrick & Son Co Toledo 1 Ohio
Indestructo Awning Co 54 W Grand Av Chgo Ill
The Kawneer Co Niles Mich (store only)
New York Awning Inc 401 W 36th New York 18 N Y
The F C Russell Co Cleveland 15 Ohio
Tucker Duck & Rubber Co Fort Smith Ark
United Tent & Awning Co 759 N Spring Los Angeles Calif

BALANCES—knife

Hanchett Mfg Co Big Rapids Mich
The Exact Weight Scale Co Columbus 8 Ohio

BALING PRESSES

American Mfg Co Inc 2119 Pacific Av Tacoma 2 Wash (234-236)
Economy Baler Co Ann Arbor Mich
Famous Mfg Co East Chicago Ind
Lewis T Kline Co Alpena Mich (excelsior)

BALUSTERS—metal

Adams Co Dubuque Iowa
The Davis & Siehl Co Cincinnati 23 O
Logan Co Inc Louisville 6 Ky
Michel & Pfeffer Iron Wks Inc 1415 Harrison San Fran 3 Cal
Stewart Iron Wks Co Inc Cincinnati O

BALUSTERS—wood

Angel Novelty Co Fitchburg Mass
Carr Adams & Collier Co Dubuque Ia (23)
Farley & Loetscher Mfg Co Dubuque Iowa
Fordyce-Crossett Sales Co Fordyce Ark
Huttig Sash & Door Co St Louis Mo
Washington Mfg Co Tacoma 1 Wash

BARBECUE SPITS

The Donley Bros Co 13928 Miles Av Cleveland 5 Ohio (221)
Hancock Iron Wks Pontiac 14 Mich
Majestic Co Huntington Ind
Michel & Pfeffer Iron Wks Inc 1415 Harrison San Fran 3 Cal
Allen Selby Assoc 1836 Chase Av Chgo Ill

BARN EQUIPMENT—farm

Badger Corrugating Co La Crosse Wis
Bennett-Ireland Norwich NY (196)
Berg Equip Corp Marshfield Wis
Clay Equip Corp Cedar Falls Ia
Franklin Equip Co Monticello Ia
Gardner Mfg Co Horicon Wis
Hawkeye Mfg Co Belmond Ia
H D Hudson Mfg Co 589 E Illinois Chgo Ill
James Mfg Co Ft Atkinson Wis
Klauer Mfg Co Dubuque Ia
Louden Mach Co Fairfield Ia
Mitchell Mfg Co Milwaukee 7 Wis
The Ney Mfg Co 948 High Av S W Canton 4 Ohio
Olson Mfg Co Albert Lea Minn
Reeves Mfg Co Dover O
Sharon Hdwe Mfg Co Sharon Pa
Shrauger & Johnson Atlantic Ia
Starline Inc Harvard Ill
Jonas A Swenson Co Springfield So Dak
U S-Challenge Co Batavia Ill

BATHROOM ACCESSORIES

Abingdon Potteries Inc Abingdon Ill
Amerline 1753 N Honore Chgo 22 Ill
The Autoyre Co Oakville Conn
Columbia Metal Box Co 260 E 143rd St New York 51 N Y
General Wood Works Council Bluffs Ia
Gerity Adrian Mfg Corp Adrian Mich
Gold Seal Mfg Co 1228 W Kinzie Chgo 22 Ill
F H Lawson Co Cincinnati O

Number in parenthesis indicates page on which advertisement appears

Miami Cabinet Div Philip Carey Mfg Co Middletown O
Chas Parker Co Meriden Conn
Prestile Mfg Co 2860 N Lincoln Av Chgo 13 Ill
Southern Wire & Iron Wks 441 Memorial Dr S E Atlanta Ga
Turner & Seymour Mfg Co Torrington Conn
Youngstown Manufacturing Inc 66 S Prospect Youngstown 6 Ohio (65)

BATTERIES—farm lighting

Buda Co Harvey Ill
Delco Appliance Div Gen'l Motor Sales Corp Rochester N Y
Fairbanks Morse & Co 600 S Michigan Av Chgo Ill (29)
Globe Union Inc Milwaukee 1 Wis
Kohler Co Kohler Wis
Universal Batt Co 3410 S La Salle Chgo Ill
Westinghouse Elec & Mfg Co Pittsburgh Pa

BEDS—disappearing

Evansville Metal Bed Co Evansville Ind
Los Angeles Wall Bed Co Los Angeles Cal
Murphy Door Bed Co 30 N LaSalle Chgo 2 Ill
Roll-A-Way Corp 2954 N Sheffield Av Chicago Ill
Simmons Co 383 Madison Av NY NY
Superior Sleeprite Corp 2219 S Halsted Chgo Ill

BELT LACING EQUIPMENT

Alexander Brothers 406 N 3rd Philadelphia 23 Pa
The Bristol Co Waterbury 91 Conn
Clipper Belt Lacer Co Grand Rapids 2 Mich
Flexible Steel Lacing Co 4607 Lexington Chgo Ill
Webb Belting Co Kansas City 7 Mo

BELTING—conveyor

Acme Rubber Mfg Co Trenton N J
Boston Woven Hose & Rubber Co Cambridge Mass
Broadway Rubber Mfg Co Louisville Ky (210)
Chain Belt Co Milwaukee 4 Wis
The Cincinnati Rubber Mfg Co 4900 Franklin Av Cincinnati Ohio
Victor R. Clark Belting Co 605 W Washington Chgo 6 Ill
Cyclone Fence Div of American Steel &Wire Co Waukegan Ill
The B F Goodrich Co Akron Ohio
Hettrick Mfg Co Toldeo 1 Ohio
Link-Belt Co 300 W Pershing Rd Chgo 9 Ill
New York Rubber Corp Empire State Bldg New York 1 N Y
Raybestos - Manhattan Inc Manhattan Rubber Div Passaic N J
Republic Rubber Div Lee Rubber & Tire Corp Youngstown 1 Ohio
Stephens-Adamson Mfg Co Aurora Ill
Teuscher Pulley & Belting Co 801 N 2nd St Louis 2 Mo
Thermoid Rubber-Div Thermoid Co Trenton 6 N J
United States Rubber Co 1230 6th Av New York 20 N Y
Webb Belting Co Kansas City 7 Mo
Wickwire Spencer Steel A Div of The Colorado Fuel & Iron Corp 500 Fifth Av New York 18 N Y (66)

BELTING—leather

Alexander Brothers 406 N 3rd Philadelphia 23 Pa
Bay State Belting Co 234 Summer St Boston 10 Mass
Chicago Belting Co 121 N Green Chgo Ill.
Chicago Rawhide Mfg Co 1301 Elston Av Chgo Ill
Victor R. Clark Belting Co 605 W Washington Chgo 6 Ill
Graton & Knight Co Worcester 4 Mass
Edw R Ladew Co 128 Lafayette NY NY
Page Belting Co Concord N H
J E Rhoads & Son 35 N 6th Philadelphia 6 Pa
Chas A Schieren Co 30-38 Ferry NY 7 NY
Teuscher Pulley & Belting Co 801 N 2nd St Louis 2 Mo
Warren Belting Co Worcester Mass
Webb Belting Co Kansas City 7 Mo
I B Williams & Sons Dover N H

BELTING DRESSING & CEMENT

Alexander Brothers 406 N 3rd Philadelphia 23 Pa
Bay State Belting Co 234 Summer St Boston 10 Mass
Broadway Rubber Mfg Co 529 E. Broadway Louisville 2 Ky (210)
Chicago Belting Co 121 N Green Chgo Ill
Victor R. Clark Belting Co 605 W Washington Chgo 6 Ill
Jos Dixon Crucible Co Jersey City 3 N J
Graton & Knight Co Worcester 4 Mass
E I DuPont de Nemours & Co Inc Wilmington 98 Del (177)
The B F Goodrich Co Akron Ohio
Inter-State Oil Co Kansas City 3 Kan
Page Belting Co Concord New Hampshire
J E Rhoads & Son 35 N 6th Philadelphia 6 Pa
Richmond Belt Dressing Mfg Co Inc Richmond 20 Va
Chas A Schieren Co 30-38 Ferry NY 7 NY
The Sullivan Co P O Box 2606 Memphis 2 Tenn (234)
Teuscher Pulley & Belting Co 801 N 2nd St Louis 2 Mo
United States Rubber Co 1230 6th Av New York 20 N Y
Warren Belting Co Worcester 8 Mass
Webb Belting Co Kansas City 7 Mo

BINS—grain

Arrow Tank Co Inc Buffalo 14 N Y
Badger Corrugating Co La Crosse Wis
W E Caldwell Co Louisville 8 Ky
Dempster Mill Mfg Co Beatrice Neb
The Edwards Mfg Co Cincinnati 2 O (160)
Fordyce-Crossett Sales Co Fordyce Ark
The Green Lumber Co Laurel Miss
Illinois Wire & Mfg Co Joliet Ill
Kalamazoo Tank & Silo Co Kalamazoo Mich
Midwest Steel Products Co Kansas City Mo (steel)
R Munroe & Sons Mfg Corp Pittsburgh 22 Pa
Wheeling Corrugating Co Wheeling W Va (42)

BINS—nail & bolt

All-Steel Equip Co Aurora Ill
Aurora Equipment Co Aurora Ill
Cleveland Wire Spring Co 5250 Brookpark Road Cleveland 9 Ohio
Deluxe Metal Furniture Co Warren Pa
Frick-Gallagher Mfg Co Wellston O
Gen'l Fireproofing Co Youngstown O
W C Heller & Co 539 N Clark St Montpelier Ohio
Lyon Metal Prod Inc Aurora Ill
M & M Wood Working Co Resnprest Div 2301 N Columbia Portland 3 Ore
Republic Steel Corp Cleveland 1 Ohio
Stackbin Corp Providence R I
Universal Steel Equipment Corp 135 W 23rd NY NY

BITS—saw

E C Atkins & Co Indianapolis Ind
Corley Mfg Co Chattanooga 1 Tenn (174)
Ekstrom, Carlson & Coe Rockford Ill
R Hoe & Co Inc East River & 138th NY NY
Miner & Son Saw Works P O Box 1145 Shreveport 90 La (218)
Simonds Saw & Steel Co Fitchburg Mass (52)
Southern Saw Wks Atlanta Ga

BITS—auger

American Screw Co Providence R I
Greenlee Bros & Co Rockford Ill
Independent Pneumatic Tool Co 600 Jackson Blvd Chgo Ill
Mephisto Tool Co Inc Hudson NY
Oxford Tool Co Phil 22 Pa
The Stanley Wks New Britain Conn (64)
The Wellman Products Co Cleveland 3 Ohio

BLOCKS—tackle

Clyde Iron Works Inc Duluth 1 Minn
Lanebro Mfg Co Poughkeepsie N Y
Maine Steel Products Inc South Portland Maine
The Ney Mfg Co 948 High Av S W Canton 4 Ohio
John A Roebling's Sons Co Trenton N J
Starline Inc Harvard Ill
Upson-Walton Co Cleveland Ohio
Washington Iron Works Seattle 4 Wash
Western Block Co Lockport N Y

BLOWER SYSTEMS—sawmill & planing mill

Buffalo Forge Co Buffalo N Y
Champion Blower & Forge Co Lancaster Pa
Chase Turbine Mfg Co Orange Mass
Clarage Fan Co Kalamazoo 16 Mich
Connecticut Blower Co P O Box 884 Hartford 1 Conn
Corinth Machinery Co Corinth Miss (171)
Houston Blow Pipe & Sht Mtl Wks Houston Tex (172-173)
Jacksonville Blow Pipe Jacksonville Fla
Kirk & Blum Mfg Co Cincinnati O
New York Blower Co 415 Lexington Av NY NY
St Louis Blow Pipe & Heater Co St Louis Mo
B F Sturtevant Co Hyde Park Boston 36 Mass
Western Blower Co Seattle Wash

BOARD—asbestos cement

Acme Asbestos Covering & Flooring Co 244 N Elizabeth Chgo 7 Ill
Philip Carey Mfg Co Cincinnati 15 O
Celotex Corp 120 S La Salle Chgo Ill (136)
Homasote Co Trenton N J
Johns-Manville Corp 22 E 40th NY 16 NY (62-63)
Keasbey & Mattison Co Ambler Pa
National Gypsum Co Buffalo 2 N Y (40-41)
The Ruberoid Co 500 Fifth Av NY 18 NY

BOARDS—display & exhibit

Multiplex Display Fxtre Co St Louis Mo
Newman Bros Inc 660 W 4th Cincinnati 3 Ohio
Plastergon Wallboard Co 196 Philadelphia Av Buffalo 7 NY
Prestile Mfg Co 2860 N Lincoln Av Chgo 13 Ill
U S Plywood Corp 55 W 44th NY NY (49)
Upson Co Lockport N Y (70)

BOARDS—ironing

Brewer-Titchener Corp Cortland N Y
Carr Adams & Collier Co Dubuque Ia (23)
Chicago Curtain Stretcher Co 1127 W 37th Chgo 9 Ill
Chicago Dryer Co 2210 N Pulaski Rd Chgo 39 Ill
J R Clark Co Minneapolis 5 Minn
Cole Mfg Co P O Box 2657 Memphis 2 Tenn
Curtis Companies Clinton Ia (12)
Farley & Loetscher Mfg Co Dubuque Iowa
Huttig Sash & Door Co St Louis Mo
Ideal Co Box 889 Waco Tex
Morgan Company Oshkosh Wis
Natl Washboard Co 310 S Michigan Av Chgo Ill
Rich Ladder & Mfg Co 1000 Depot St Cincinnati O
Zoss Ladder & Mfg Co Portland 1 Ore (58)

BOARDS—sign

Fordyce-Crossett Sales Co Fordyce Ark
The Green Lumber Co Laurel Miss
Newman Bros Inc 660 W 4th Cincinnati 3 Ohio
M & M Wood Working Co Resnprest Div 2301 N Columbia Portland 3 Ore
Prestile Mfg Co 2860 N Lincoln Av Chgo 13 Ill
United States Plywood Corp 55 W 44th New York 18 N Y (49)
The Upson Co Lockport N Y (70)

BOILERS—steam & hot water

Bastian-Morley Co Inc La Porte Ind
Century Engineering Corp Cedar Rapids Iowa
Combustion Engineering Co Inc 200 Madison Av New York 16 N Y
Edge Moor Iron Co Edge Moor Del
Erie City Iron Wks Erie Pa
Harvey Whipple Inc Springfield Mass
Hedges - Walsh - Weidner Co Chattanooga Tenn
International Heater Co Utica 2 N Y
Kewanee Boiler Corp Kewanee Ill
Lookout Boiler & Mfg Co Chattanooga Tenn
R Munroe & Sons Mfg Corp Pittsburgh 22 Pa (hot water only)
National Radiator Co 221 Central Av Johnstown Pa
Penn Boiler & Burner Mfg Corp Box 1079 Lancaster Pa
Richmond Radiator Co 835 Fifth Av NY 17 NY

Number in parenthesis indicates page on which advertisement appears

Williams Oil-O-Matic Div Eureka Williams Corp Bloomington Ill
Gar Wood Industries Inc Detroit Mich
York—Shipley Inc York Pa

BOLTS—barrel

Champion Hardware Co Geneva Ohio
Fiwale Equipment Mfg Co 165 Church New York 7 N Y
Frantz Mfg Co Sterling Ill (144)
Griffin Mfg Co Erie Pa
The Lamson & Sessions Co Cleveland 2 Ohio (230)
Norwalk Lock Co 395 Broadway New York 13 N Y
Republic Steel Corp Cleveland 1 Ohio
Safe Padlock & Hardware Co Lancaster Pa
Sharon Hardware Mfg Co Sharon Pa
Slaymaker Lock Co Lancaster Pa

BOLTS—carriage

W Ames & Co Jersey City 4 N J
Atlas Bolt & Screw Co Cleveland 10 O
Central Screw Co 3501 S Shields Av Chgo Ill
Elco Tool & Screw Corp 1818 Broadway Rockford Ill
Hubbard & Co 6301 Butler St Pittsburgh 1 Pa
The Lamson & Sessions Co Cleveland 2 Ohio (230)
Lewis Bolt & Nut Co Minneapolis 14 Minn
Manufacturers Screw Prod 222 W Hubbard Chgo 10 Ill
The Maryland Bolt & Nut Co Baltimore 9 Md
National Lock Co Rockford Ill (15)
National Screw & Mfg Co Cleveland 4 Ohio
Pheoll Mfg Co 5700 W Roosevelt Rd Chgo Ill
Republic Steel Corp Cleveland O
Rockford Screw Products Co Rockford Ill
Rockford Bolt & Steel Co 126 Mill Rockford Ill
Russell Burdsall & Ward Bolt & Nut Co Port Chester NY
St Louis Screw & Bolt Co St Louis Mo
Sterling Bolt Co 209 W Jackson Blvd Chgo 6 Ill

BOLTS—chain

P & F Corbin New Britain Conn (201)
Fiwale Equipment Mfg Co 165 Church NY 7 NY
Frantz Mfg Co Sterling Ill (144)
Griffin Mfg Co Erie Pa
The Lamson & Sessions Co Cleveland 2 Ohio (230)
Lockwood Hdw Mfg Co Fitchburg Mass (163)
McKinney Mfg Co Pittsburgh Pa (197)
Nat'l Brass Co Grand Rapids Mich
Norwalk Lock Co 395 Broadway NY 13 NY
S Parker Hardware Mfg Co 27 Ludlow New York 2 N Y
Penn Hdw Co Reading Pa
Reading Hdw Corp Reading Pa
Republic Steel Corp Cleveland 1 Ohio
Richards-Wilcox Mfg Co Aurora Ill
Russell & Erwin Div The American Hdw Corp New Britain Conn (202)
Safe Padlock & Hdw Co Lancaster Pa
Sargent & Co New Haven Conn
Segal Lock & Hdwe Co Inc 395 Broadway NY 13 NY
Sharon Hdwe Mfg Co Sharon Pa
The Stanley Wks New Britain Conn (64)
Starline Inc Harvard Ill
Wagner Mfg Co Cedar Falls Iowa
Yale & Towne Mfg Co Stamford Conn

BOLTS—concrete

W Ames & Co Jersey City 4 N J
Cleveland Steel Specialty Co Cleveland 5 Ohio
Frantz Mfg Co Sterling Ill (144)
Kelly Steel Works Inc 5767 W 65th Chgo 38 Ill
The Lamson & Sessions Co Cleveland 2 Ohio (230)
Universal Form Clamp Co 1238 N Kostner Av Chgo 51 Ill
Williams Form Engineering Corp Grand Rapids 7 Mich

BOLTS—door & window

Casement Hdw Co 406 N Wood Chgo Ill
Champion Hdw Co Geneva O
P & F Corbin New Britain Conn (201)
Fiwale Equipment Mfg Co 165 Church New York 7 N Y
Frantz Mfg Co Sterling Ill (144)
H S Getty & Co Inc Philadelphia 40 Pa
Griffin Mfg Co Erie Pa
The Lamson & Sessions Co Cleveland 2 Ohio (230)
Lawrence Bros Sterling Ill
Lockwood Hdw Mfg Co Fitchburg Mass (163)
Nat'l Brass Co Grand Rapids Mich
Norwalk Lock Co 395 Broadway NY 13 NY
S Parker Hardware Mfg Co 27 Ludlow New York 2 N Y
Penn Hdw Co Reading Pa
Reading Hdw Corp Reading Pa
Russell & Erwin Div The American Hdw Corp New Britain Conn (202)
Safe Padlock & Hdw Co Lancaster Pa
Sargent & Co New Haven Conn
Segal Lock & Hdwe Co Inc 395 Broadway NY 13 NY
Sharon Hdwe Mfg Co Sharon Pa
The Stanley Wks New Britain Conn (64)
Yale & Towne Mfg Co Stamford Conn

BOLTS—expansion

Chicago Expansion Bolt Co 2240 W Ogden Av Chgo Ill
Arro Expansion Bolt Co Marion Ohio
Hubbard & Co 6301 Butler St Pittsburgh 1 Pa
Paine Co 2951 Carroll Av Chgo Ill
Rawlplug Co Inc 98 Lafayette NY NY
Star Expansion Bolt Co 147 Cedar NY NY
United Screw & Bolt Corp Cleveland O

BOLTS—foot

P & F Corbin New Britain Conn (201)
Frantz Mfg Co Sterling Ill (144)
The Lamson & Sessions Co Cleveland 2 Ohio (230)
Lawrence Bros Inc Sterling Ill
McKinney Mfg Co Pittsburgh 12 Pa (197)
National Brass Co Grand Rapids Mich
Richards-Wilcox Mfg Co Aurora Ill
Russell & Erwin Div The American Hdw Corp New Britain Conn (202)
Sharon Hardware Mfg Co Sharon Pa
Shelby Spring Hinge Co Shelby Ohio
The Stanley Works New Britain Conn (64)
Wagner Mfg Co Cedar Falls Iowa

BOLTS—garage door

Allith-Prouty Danville Ill
Atlas Bolt & Screw Co Cleveland 10 O
Champion Hdw Co Geneva O
P & F Corbin New Britain Conn (201)
Frantz Mfg Co Sterling Ill (144)
Griffin Mfg Co Erie Pa
The Lamson & Sessions Co Cleveland 2 Ohio (230)
Lawrence Bros Sterling Ill
Lockwood Hdw Mfg Co Fitchburg Mass (163)
McKinney Mfg Co Pittsburgh Pa (197)
Richards-Wilcox Mfg Co Aurora Ill
Sargent & Co New Haven Conn
Sharon Hdwe Mfg Co Sharon Pa
The Stanley Wks New Britain Conn (64)
Starline Inc Harvard Ill
Wagner Mfg Co Cedar Falls Iowa
Yale & Towne Mfg Co Stamford Conn

BOLTS—machine

Ackerman-Johnson Co 625 W Jackson Blvd Chgo Ill
W Ames & Co Jersey City 4 N J
Atlas Bolt & Screw Co Cleveland 10 O
Bethlehem Steel Co Bethlehem Pa
Central Screw Co 3501 S Shields Av Chgo Ill
Chase Brass & Copper Co Waterbury 91 Conn
Clark Bros Bolt Co Milldale Conn
Wm H Haskell Mfg Co Pawtucket R I
Hubbard & Co 6301 Butler St Pittsburgh 1 Pa
Kelly Steel Works Inc 5767 W 65th Chgo 38 Ill
The Lamson & Sessions Co Cleveland 2 Ohio (230)
Lewis Bolt & Nut Co Minneapolis 14 Minn
Maryland Bolt & Nut Co Baltimore 9 Md
Nat'l Screw & Mfg Co Cleveland O
Paine Co 2951 Carroll Av Chgo 12 Ill
Pheoll Mfg Co 5700 W Roosevelt Rd Chgo Ill
Republic Steel Corp Cleveland 1 Ohio
Rockford Bolt & Steel Co 126 Mill Rockford Ill
Russell Burdsall & Ward Bolt & Nut Co Port Chester NY
St Louis Screw & Bolt Co St Louis Mo
Sterling Bolt Co 209 W Jackson Blvd Chgo 6 Ill

BOLTS—stove

American Screw Co Providence R I
Atlas Bolt & Screw Co Cleveland 10 O
Central Screw Co 3501 S Shields Chgo Ill
Chase Brass & Copper Co Waterbury 91 Conn
Clark Bros Bolt Co Milldale Conn
Continental Screw Co New Bedford Mass
Excelsior Stove & Mfg Co Quincy Ill
The Lamson & Sessions Co Cleveland 2 Ohio (230)
Manufacturers Screw Prod 222 W Hubbard Chgo 10 Ill
Maryland Bolt & Nut Co Baltimore 9 Md
Nat'l Lock Co Rockford Ill (15)
Nat'l Screw & Mfg Co Cleveland O
Paine Co 2951 Carroll Av Chgo 12 Ill
Pheoll Mfg Co 5700 W Roosevelt Chgo Ill
Reed & Prince Mfg Co Worcester 1 Mass
Republic Steel Corp Cleveland 1 Ohio
Rockford Screw Prod Co Rockford Ill
Russell Burdsall & Ward Bolt & Nut Co Port Chester NY
St Louis Screw & Bolt Co St Louis Mo
Sterling Bolt Co 209 W Jackson Blvd Chgo 6 Ill
United Screw & Bolt Corp 2513 Cullerton Av Chgo Ill

BOLTS—toggle

Arro Expansion Bolt Co Marion Ohio
Chicago Expansion Bolt Co 2240 W Ogden Av Chgo Ill
Hubbard & Co 6301 Butler St Pittsburgh 1 Pa
The Lamson & Sessions Co Cleveland 2 Ohio (230)
Paine Co 2951 Carroll Av Chgo Ill
Republic Steel Corp Cleveland 1 Ohio
Star Expansion Bolt Co 147 Cedar NY NY
U S Expansion Bolt Co York Pa

BOOKS—building, estimating

All books listed below are for sale by AMERICAN LUMBERMAN, 139 N. Clark St., Chicago 2, Ill.:

Blue Print Reading	$1.25
Carpentry	2.00
Carpentry for Beginners	1.75
Douglas Fir Use Book	1.00
Estimating Building Costs	2.50
Full Length Roof Framer	2.00
Handbook of Building Construction	10.00
Southern Pine Manual of Standard Wood Construction	1.50
Steel Square Pocket Book	1.00
The Building Estimators' Reference Book	10.00
The Carpenters' Square and Its Uses	.25
Wood Construction, Principles, Practices, Details	6.00
Wood Mouldings	.50
Wood Structural Design Data	1.50

BOOKS—calculating lumber footage

Baughmans Buyer & Seller—desk size	$3.50
pocket size	1.75
Cost & Computation Manual	4.00
Handy Lumber Calculator	.50
Official Estimator	6.00
Official Feetage Estimator	10.00
Pocket Pricer	1.25
Scribners Lumber & Log Book	.50
The Lumberman's Actuary	10.00
The Lumberman's Ambidexter	3.50

BOOKS—forestry

Elements of Forest Mensuration	$3.50
Handbook of the Trees of Northern States and Canada	6.00
Kiln Drying of Lumber	3.00
Logging—Principles and Practice	3.50
Logging—Transportation	4.00
Scribners Lumber & Log Book	.50
Timber Cruising Manual and Record	.75
Timber Products and Industries	3.50
Woodsman's Manual	3.00

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BOOKS—grading rules

Standard Grading and Dressing Rules for Douglas Fir, Sitka Spruce West Coast Hemlock Western Red Cedar..... .50
Standard Grading Rules for Ponderosa Pine, Sugar Pine, Idaho White Pine, Lodgepole Pine, Larch-Douglas Fir, White Fir, Engelmann Spruce, Incense Cedar, Red Cedar Lumber..... .50
Standard Grading Rules for Northern Pine, Norway Pine, Jack Pine, Eastern Spruce, Western White Spruce, Balsam, Tamarack, Aspen ..... .50
Standard Specifications for Southern Pine Lumber..... .50
Rules for the Measurement and Inspection of Hardwood Lumber, Cypress, Veneers and Thin Lumber ..... .50

BOOKS—stair building

Stair Builders Guide.....$3.00

BOOKS—store & yard design

Modern Store & Yard Design..... .50

BOOKS—wood utilization, properties

Identification of the Timbers of Temperate North America..... 3.00
Lumber & Its Uses..... 4.00
Plywoods—Development & Manufacture 4.00
The Properties & Uses of Wood.. 3.50
This Fascinating Lumber Business. 3.75

BOOKS—house designs, plans

Prartical Plans for Modern Homes —A 36-page booklet containing 51 actual house plans. Sample copy 50c. AMERICAN LUMBERMAN Chicago 2 Ill
Brown-Blodgett Co St Paul Minn
L F Garlinghouse Co Topeka Kan
Lumbermans Plan Service 135 Machin Peoria Ill (234)
National Plan Service Inc 1315 W Congress Chgo Ill

BOOKS—miscellaneous

"Rafter Lengths Book"—Builders Topics 1117 2nd Av Seattle Wash (220)
The Commercial Timbers of Mexico—Arnold Joerns Dept A 333 N Michigan Av Chicago 1 Ill
"Tailored Homes" house plans & designs H P Jones 486AL Brandeis Th Bldg Omaha 2 Neb (237)

BOOKS—tally

Frank R Buck & Co 2133 Touhy Av Chgo Ill (216)

BOOTHS—spray

Binks Mfg Co 3114 Carroll Av Chgo Ill
Connecticut Blower Co P O Box 884 Hartford 1 Conn
Detroit Sheet Metal Wks Detroit Mich
The DeVilbiss Company 300 Phillips Av Toledo 1 Ohio
Houston Blow Pipe & Sht Met Wks Houston Tex (20, 172)

BOXES—mitre

Millers Falls Co Greenfield Mass
The Stanley Wks New Britain Conn (64)
Western Foundry Co Portland Ore
Youngstown Manufacturing Inc 66 S Prospect Youngstown 6 Ohio (65)

BOXES—mortar mixing

Adams Co Dubuque Ia
American Steel Works Kansas City 8 Mo
The Donley Bros Co 13928 Miles Av Cleveland 5 Ohio (221)
Heltzel Steel Form & Iron Co Warren O
Kewanee Mfg Co Kewanee Ill
Majestic Co Huntington Ind
Metal Prod Corp Weehawken N J
Michel & Pfeffer Iron Wks Inc 1415 Harrison San Fran 3 Cal
Newark Ladder & Bracket Sales Co Inc 657 S 13th Newark 3 NJ
Republic Steel Corp Berger Mfg Div Canton 5 Ohio
A L Swett Iron Wks Medina N Y
Truscon Steel Co Youngstown 1 Ohio
White Pine Sash Co Spokane 7 Wash

BOXES—wooden

Sullivan Industries Inc Sullivan Ill (22)

BRACES—garage door

Champion Hdw Co Geneva O
Fiwale Equipment Mfg Co 165 Church NY 7 NY
Lawrence Bros Sterling Ill
The Ney Mfg Co 948 High Av S W Canton 4 Ohio
Shelby Spring Hinge Co Shelby O
The Stanley Wks New Britain Conn (64)

BRACKETS—roof

Adams Co Dubuque Ia
The Davis & Siehl Co Cincinnati 23 O
A W Flint Co New Haven Conn
Mutual Fir Column Co Tacoma Wash
Newark Ladder & Bracket Sales Co Inc 657 S 13th Newark 3 NJ
Southern Wire & Iron Wks 441 Memorial Dr S E Atlanta Ga
The Stanley Wks New Britain Conn (64)
Wagner Mfg Co Cedar Falls Iowa

BRACKETS—shelf

American Cabinet Hdw Corp Rockford Ill (11)
Champion Hdw Co Geneva O
Frantz Mfg Co Sterling Ill (144)
Griffin Mfg Co Erie Pa
W C Heller & Co 539 N Clark St Montpelier Ohio
Knape & Vogt Mfg Co Grand Rapids Mich
Lawrence Bros Sterling Ill
McKinney Mfg Co Pittsburgh Pa (197)
Nat'l Brass Co Grand Rapids Mich
Nat'l Lock Co Rockford Ill (15)
Penn Hdw Co Reading Pa
Safe Padlock & Hdw Co Lancaster Pa
Southern Wire & Iron Wks 441 Memorial Dr S E Atlanta Ga
The Stanley Wks New Britain Conn (64)

BRACKETS—wall

The Davis & Siehl Co Cincinnati 23 O
Fiwale Equipment Mfg Co 165 Church NY 7 NY
W C Heller & Co 539 N Clark St Montpelier Ohio
Newark Ladder & Bracket Sales Co Inc 657 S 13th Newark 3 NJ
S Parker Hardware Mfg Co 27 Ludlow New York 2 N Y
Reflector Hdwe Corp Western Av & 22nd Pl Chgo Ill
Southern Wire & Iron Wks 441 Memorial Dr S E Atlanta Ga
A L Swett Iron Wks Medina NY

BRAZERS—band saw

E C Atkins & Co Indianapolis Ind
Henry Disston & Sons Inc Tacony Philadelphia 35 Pa
Foley Mfg Co Minneapolis Minn
Hanchett Mfg Co Big Rapids Mich
Oliver Machinery Co Grand Rapids 2 Mich
Prescott Co Menominee Mich
Yates American Mach Co Beloit Wis

BRICK—asphalt insulated

Ford Roofing Products Co 111 W Washington Chgo 2 Ill
The Ruberoid Co 500 Fifth Av NY 18 NY

BRICK—common

Acme Brick Co Ft Worth Texas
Adel Clay Products Co Des Moines Ia
Baltimore Brick Co Baltimore 5 Md
Denver Sewer Pipe & Clay Co Denver 1 Colo
Illinois Brick Co 228 N La Salle Chgo Ill
Sealcon Products Inc Minneapolis 2 Minn
Sheffield Brick & Tile Co Sheffield Ia
Washington Brick & Lime Co Spokane Wash

BRICK—face

Acme Brick Co Ft Worth Texas
Adel Clay Products Co Des Moines Ia
Baltimore Brick Co Baltimore 5 Md
S R Dee Bloomingdale Ind
Denver Sewer Pipe & Clay Co Denver 1 Colo
W E Dunn Mfg Co Holland Mich
Great Falls Brick Co Great Falls Mont
Sealcon Products Inc Minneapolis 2 Minn
Sheffield Brick & Tile Co Sheffield Ia
Washington Brick & Lime Co Spokane Wash

BRICK—fire

Acme Brick Co Ft Worth Texas
Cannelton Sewer Pipe Co Inc Cannelton Ind
Carborundum Co Niagara Falls NY
Chicago Fire Brick Co 1467 Elston Av Chgo Ill
Columbia Pipe Co Columbia S C
S R Dee Bloomingdale Ind
Denver Fire Clay Co Denver Colo
Denver Sewer Pipe & Clay Co Denver 1 Colo
General Refractories Co Real Estate Trust Bldg Phil 7 Pa
Great Falls Brick Co Great Falls Mont
Harbison Walker Refractories Co Farmers Bank Bldg Pittsburgh Pa
Johns-Manville Corp 22 E 40th NY 16 NY (62-63)
Mexico Refractories Co Mexico Mo
North American Refractories Co Cleveland 14 O
Owensboro Sewer Pipe Co Inc Owensboro Ky
Plibrico Jointless Firebrick Co 1800 N Kingsbury Chgo 14 Ill
Robinson Clay Prod Co Akron Ohio
Seaboard Refractories Co Perth Arboy N J
Sealcon Products Inc Minneapolis 2 Minn
Streator Drain Tile Co Streator Ill
Walsh Refractories Corp St Louis 7 Mo
Washington Brick & Lime Co Spokane Wash
What Cheer Clay Products Co What Cheer Iowa

BRICK—glazed

Acme Brick Co Ft Worth Texas
Denver Sewer Pipe & Clay Co Denver 1 Colo

BRICKS—rubbing

American Emery Wheel Works Providence R I
Bay State Abrasive Products Co Westboro Mass
Carborundum Co Niagara Falls N Y
Chicago Wheel & Mfg Co 100 S Aberdeen Chgo Ill
Simonds Abrasive Co Philadelphia 37 Pa

BRIDGING—steel

The Davis & Siehl Co Cincinnati 23 O
Isaacson Iron Wks Seattle Wash
Lanebro Mfg Co Poughkeepsie N Y
Republic Steel Corp Cleveland 1 Ohio
Great Lakes Steel Corp Stran-Steel Div Detroit 26 Mich (157)

BRUSHES—household

American Brush Corp 1119 N Franklin Chgo 10 Ill
Devoe & Raynolds Co Inc 787 First Av New York 17 N Y (183)
General Wood Works Council Bluffs Ia
J I Holcomb Mfg Co Indianapolis Ind
Illinois Duster & Brush Co 1926 Webster Ave Chgo Ill
Michigan Brush Mfg Co Detroit Mich
National Brush Co Aurora Ill
Osborn Mfg Co Cleveland 14 Ohio
Schaefer Brush Mfg Co Milwaukee 4 Wis
Silver-Chamberlin Co Clayton N J

BRUSHES—industrial

Black & Decker Mfg Co Towson 4 Md
Devoe & Raynolds Co Inc 787 First Av New York 17 N Y (183)
General Wood Works Council Bluffs Ia
Haisler Bros Co Inc 219 W Superior Chgo Ill
J I Holcomb Mfg Co Indianapolis Ind
Illinois Duster & Brush Co 1926 Webster Ave Chgo Ill
Industrial Chemical Laboratories Ltd Omaha 2 Neb
Michigan Brush Mfg Co Inc Detroit Mich
Milwaukee Brush Mfg Co Milwaukee Wis
National Brush Co Aurora Ill
Newark Brush Co Kenilworth N J
The Osborn Mfg Co Cleveland 14 Ohio
Schaefer Brush Mfg Co Milwaukee 4 Wis
Spiral Brushes Inc Cleveland Ohio

BRUSHES—paint & varnish

Baker Brush Co Inc 83 Grand St NY NY
Baltimore Paint & Color Works Baltimore 23 Md
A Burdsal Co Indianapolis Ind
Colorado Paint Co Denver 5 Colo
Devoe & Raynolds Co Inc 787 First Av New York 17 N Y (183)
Forman Ford & Co Minneapolis 1 Minn

Number in parenthesis indicates page on which advertisement appears

The Glidden Co Cleveland 2 Ohio
Markwell Mfg Co Inc 200 Hudson New York 13 N Y
Pittsburgh Plate Glass Co 2000 Grant Bldg Pittsburgh 19 Pa (203)
Rubberset Co 56 Ferry Newark 5 N J
Sealcon Products Inc Minneapolis 2 Minn
Solo-Horton Brush Co Inc 135 W 19th New York 11 N Y
20th Century Paint & Varnish Co 30 Roebling Brooklyn 11 N Y
Wooster Brush Co Wooster Ohio

BUILDINGS—prefabricated

The Green Lumber Co Laurel Miss
Factory Built Homes Inc McDonough N Y (235)
Houston Blow Pipe & Sheet Mtl Wks Houston Tex (20-172)
Houston Ready-Cut House Co Houston 1 Tex (215)
Indiana Demountable Housing Inc 907 E Michigan Indianapolis 6 Ind (237)
Geo L Mesker Steel Corp Evansville Ind
George J Silbernagel 8 S Michigan Av Chgo 3 Ill (176)
Southern Mill & Mfg Co Tulsa Okla
The Strathmoor Co 1400 Grand River Av Detroit 27 Mich
Superstructures Inc Albert Lea Minn
Texas Prefabricated Housing Co Dallas Tex
Timber Structures Inc Portland 8 Ore
Truscon Steel Co Youngstown 1 Ohio (steel)
U S-Challenge Co Batavia Ill
Unit Structures Inc Peshtigo Wis

BULL DOZERS

American Tractor Eqpt Corp Oakland Cal
Caterpillar Tractor Co Peoria 8 Ill
Heil Co Milwaukee 1 Wis
Isaacson Iron Wks Seattle Wash
LaPlant-Choate Mfg Co Inc Cedar Rapids Iowa
R G LeTourneau Inc Peoria Ill
The Oliver Corp Industrial Div 19300 Euclid Av Cleveland 17 Ohio

BULKHEADS—cellar

Bilco Mfg Co New Haven 6 Conn (184)

BURGLAR ALARMS

J H Bunnell & Co 215 Fulton NY NY
Edwards & Co Inc Norwalk Conn
Federal Elec Co 8706 S State Chgo Ill
Genl Burglar Alarm Co Inc 365 E 146th NY NY
Guardian Elec Mfg Co 1400 W Washington Chgo Ill

BURNERS—gas

Barber Gas Burner Co Cleveland O
Century Specialty Co Johnstown Pa
Inferno Co Shreveport La
National Airoil Burner Co Philadelphia 34 Pa
National Radiator Co 221 Central Av Johnstown Pa
Norge Heating & Conditioning Div Borg Warner Corp Detroit Mich
Penn Boiler & Burner Mfg Corp Lancaster Pa

BURNERS—gasoline pressure

American Gas Mach Co Inc Albert Lea Minn
Otto Bernz Co Rochester N Y
The Coleman Co Inc Wichita 1 Kan

BURNERS—oil

American Radiator & Std Sanitary Corp 40 W 40th NY NY
Automatic Burner Corp 1823 W Carroll Chgo 12 Ill
The Babcock & Wilcox Co 85 Liberty St New York 6 NY
Century Eng Corp Cedar Rapids Iowa
Chalmers Oil Burner Co Minneapolis Minn
Cleveland Steel Prod Corp Cleveland O
Excelsior Stove & Mfg Co Quincy Ill
Fluid Heat Inc Baltimere Md
Franklin Oil Heating Inc Columbus O
Gen'l Elec Co Bloomfield N J
Gilbert & Barker Mfg Co West Springfield Mass
Hart Oil Burner Co Peoria Ill
H C Little Burner Co Inc 2nd & Lincoln San Rafael Cal
MacLeod Co Cincinnati O
Malleable Iron Fittings Co Branford Conn
May Oil Burner Corp Baltimore Md
Nat'l Airoil Burner Co Phil Pa
National Radiator Co 221 Central Av Johnstown Pa
Penn Boiler & Burner Mfg Corp Box 1079 Lancaster Pa
Petroleum Heat & Power Co Stamford Conn
Round Oak Co Dowagiac Mich
Silent Automatic Corp Detroit Mich
Silent Glow Oil Burner Corp Hartford Conn
Silent Sioux Oil Burner Corp Orange City Iowa
Simplex Oil Heating Corp 11 Park Pl NY 7 NY
Timken Silent Automatic Div The Timken Detroit Axle Co Detroit 32 Mich
Harvey Whipple Inc Springfield Mass
Williams Oil-O-Matic Div Eureka Williams Corp Bloomington Ill
York-Shipley Inc York Pa

BURNERS—sawdust

Houston Blow Pipe & Sheet Mtl Wks Houston Tex (20-21)
Western Fdry Co Portland 1 Ore

BURNERS—weeds

Aeroil Products Co West New York N J

CABINETS—bathroom, metal

Acme Metal Products Corp 1845 W 74th Chgo 36 Ill
Columbia Metal Box Co 260 E 143rd St New York 51 N Y
Conant Bros Co Boston 14 Mass
Ellwood Co Ellwood City Pa
Excel Metal Cabinet Co Jamestown N Y
Faries Mfg Co Decatur 70 Ill
Gold Seal Mfg Co 1228 W Kinzie Chgo 22 Ill
Harrison Steel Cabinet Co 4718 W 5th Chgo Ill
Houston Blow Pipe & Sheet Mtl Wks Houston Tex (20-172)
F H Lawson Co Cincinnati O
Majestic Co Huntington Ind
Miami Cabinet Div Philip Carey Co Middletown O
Chas Parker Co Meriden Conn
Porcelain Metals Corp Inc Louisville 10 Ky (37)
Prestile Mfg Co 2860 N Lincoln Av Chgo 13 Ill
Republic Steel Corp Cleveland 1 Ohio
Royal Glass Works Corp 50-20 25th Long Island City 1 N Y
Southern Wire & Iron Wks 441 Memorial Dr S E Atlanta Ga

CABINETS—bathroom, wood

Angel Novelty Co Fitchburg Mass
Carr Adams & Collier Co Dubuque Ia (23)
Cole Mfg Co P O Box 2657 Memphis 2 Tenn
Curtis Companies Inc Clinton Ia (12)
Huttig Sash & Door Co St Louis Mo
Farley & Loetscher Mfg Co Dubuque Ia
General Wood Works Council Bluffs Ia
W C Heller & Co 539 N Clark St Montpelier Ohio
Huttig Mfg Co Muscatine Ia
Ideal Co Box 889 Waco Tex
F H Lawson Co Cincinnati O
Marquart Millwork Co Oshkosh Wis (219)
Miami Cabinet Div Philip Carey Co Middletown O
Morgan Company Oshkosh Wis
Roach & Musser Co Muscatine Ia
Rock Island Sash & Door Wks Rock Island Ill
George J Silbernagel 8 S Michigan Av Chgo 3 Ill (176)

CABINETS—display

American Plywood Corp New London Wis
Aurora Equipment Co Aurora Ill
Colonial Sales Corp 928 Broadway NY NY
Deluxe Metal Furniture Co Warren Pa
General Wood Works Council Bluffs Ia
W C Heller & Co 539 N Clark St Montpelier Ohio
Lyon Metal Prod Inc Aurora Ill
Republic Steel Corp Berger Mfg Div Canton 5 Ohio

CABINETS—fire equipment

W D Allen Mfg Co 566 W Lake Chgo 6 Ill
Elkhart Brass Mfg Co Inc Elkhart Ind
Excel Metal Cabinet Co Jamestown N Y
Safety Fire Extinguisher Co 293 7th NY NY
Wirt & Knox Mfg Co Phil Pa

CABINETS—general household

Acme Metal Prod Corp 1845 W 74 Chgo 36 Ill
Carr Adams & Collier Co Dubuque Ia (23)
Cole Mfg Co P O Box 2657 Memphis 2 Tenn
Curtis Cos Inc Clinton Ia (12)
Edison Genl Elec Appliance Co Inc 5600 W Taylor Chgo Ill
Ellwood Co Ellwood City Pa
Excel Metal Cabinet Co Inc Jamestown N Y
Farley & Loetscher Mfg Co Dubuque Ia
Gabriel Steel Co Detroit Mich
General Wood Works Council Bluffs Ia
Gold Seal Mfg Co 1228 W Kinzie Chgo 22 Ill
Gregg & Son Nashua N H
Huttig Mfg Co Muscatine Ia
Ideal Co Box 889 Waco Tex
Kitchen Maid Corp Andrews Ind
Lyon Metal Prod Inc Aurora Ill
Morgan Co Oshkosh Wis
Mullins Mfg Corp Warren O
Narragansett Machine Co Providence 1 R I
The Radford Co Oshkosh Wis
Republic Steel Corp Cleveland 1 Ohio
Roach & Musser Co Muscatine Ia
Rock Island Sash & Door Wks Rock Island Ill
St Charles Mfg Co St Charles Ill
Segelke & Kohlhaus Co La Crosse Wis
G I Sellers & Sons Co Elwood Ind
Tennessee Valley Associates Inc Nashville 3 Tenn

CABINETS—kitchen, metal

Acme Metal Products Corp 1845 W 74th Chgo 36 Ill
American Central Mfg Corp Connersville Ind
Edison Genl Elec Appliance Co Inc 5600 W Taylor Chgo Ill
Elgin Stove & Oven Div of Acme Visible Records Inc Elgin Ill
Ellwood Co Ellwood City Pa
Excel Metal Cabinet Co Jamestown N Y
Genl Elec Co Bridgeport Conn
Gold Seal Mfg Co 1228 W Kinzie Chgo 22 Ill
Harrison Steel Cabinet Co 4718 W 5th Chgo Ill
Lyon Metal Products Inc Aurora Ill
Mullins Mfg Corp Warren O
Murphy Door Bed Co 30 N LaSalle Chgo 2 Ill
Republic Steel Corp Cleveland 1 Ohio
St Charles Mfg Co St Charles Ill
Tennessee Valley Associates Inc Nashville 3 Tenn

CABINETS—kitchen, wood

Angel Novelty Co Fitchburg Mass
Carr Adams & Collier Co Dubuque Ia (23)
Cole Mfg Co P O Box 2657 Memphis 2 Tenn
Coppes Inc Nappanee Ind
Curtis Companies Inc Clinton Ia (12)
Ellwood Co Ellwood City Pa
Farley & Loetscher Mfg Co Dubuque Ia
General Wood Works Council Bluffs Ia
Gregg & Son Nashua N H
Huttig Mfg Co Muscatine Ia
Huttig Sash & Door Co St Louis Mo
Ideal Co Box 889 Waco Tex
Kemper Furniture Co Div of The Mengel Co Union City Ind
Kitchen Maid Corp Andrews Ind
M & M Wood Working Co Resnprest Div 2301 N Columbia Portland 3 Ore
Marquart Millwork Co Oshkosh Wis (219)
The Mengel Co Inc Louisville Ky (49)
Morgan Co Oshkosh Wis
Mutschler Bros Co Nappanee Ind
Prestile Mfg Co 2860 N Lincoln Av Chgo 13 Ill
The Radford Co Oshkosh Wis
Roach & Musser Co Muscatine Ia
Rock Island Sash & Door Wks Rock Island Ill
G I Sellers & Sons Co Elwood Ind
George J Silbernagel 8 S Michigan Av Chgo 3 Ill (176)
Frank C Snedaker & Co Inc Phil Pa
Tennessee Valley Associates Inc Nashville 3 Tenn
U S-Challenge Co Batavia Ill

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CABLE—insulated

American Steel & Wire Co Cleveland O (165)
Chase Brass & Copper Co Waterbury 91 Conn
General Electric Co Schenectady N Y
Hazard Insulated Wire Works Div of The Okonite Co Wilkes-Barre Pa
John A Roebling's Sons Co Trenton 2 N J
Simplex Wire & Cable Co 79 Sidney Cambridge 39 Mass

CALCIMINE

Acme White Lead & Color Wks 8250 St Aubin Av Detroit 11 Mich
Alabastine Paint Prod Grand Rapids Mich
Carbola Chemical Co Inc Natural Bridge N Y
Devoe & Raynolds Co Inc 787 1st Av NY NY (183)
Ewing M Fox Co 240 E 136 NY NY
Glidden Co Cleveland O
Jewel Paint & Varnish Co 345 N Western Av Chgo Ill
John Lucas & Co Phil Pa
Benjamin Moore & Co 511 Canal NY NY
Muralo Co Inc 566 Richmond Terrace Staten Isl N Y
Ohio Hydrate & Supply Co Woodville O
Pittsburgh Plate Glass Co Pittsburgh Pa (43)
The Reardon Company St Louis 6 Mo (46)
Reliable Paste Co 3560 Shields Chgo Ill
Sterling Paint & Varnish Co Malden Mass
Steelcote Mfg Co 3418 Gratiot St Louis 3 Mo (156)
The Sullivan Co P O Box 2606 Memphis 2 Tenn (234)
Tamms-Silica Co 228 N La Salle Chgo 1 Ill
U S Kalsomine Co 50 Church NY NY
Wadsworth Howland & Co 141 Federal Boston Mass
Wesco Waterpaints Inc Berkeley Cal

CALCIUM CHLORIDE

American Cyanamid & Chem 30 Rockefeller Plaza NY NY
Columbia Chemical Div Pittsburgh Plate Glass Co Pittsburgh 13 Pa
Geo W Diener Mfg Co 406 N Monticello Av Chgo 24 Ill
The Dow Chemical Co Midland Mich (147)
E I DuPont de Nemours & Co Inc Wilmington 98 Del (177)
Pennsylvania Salt Mfg Co Philadelphia 7 Pa
Sealcon Products Inc Minneapolis 2 Minn
Solvay Sales Corp 40 Rector NY NY
Tamms-Silica Co 228 N La Salle Chgo 1 Ill
Wyandotte Chemicals Corp Wyandotte Mich

CALENDARS

Brown Blodgett Co St Paul Minn
Economy Novelty & Printing Co 225 W 39th NY NY
The Kemper Thomas Co Cincinnati 12 Ohio
The Thos D Murphy Co Red Oak Iowa
National Plan Service Inc 1315 Congress Chgo Ill
Shedd Brown Mfg Co Minneapolis Minn
L F Grammes & Sons Inc 396 Union Allentown Pa

CANVAS

Bemis Bro Bag Co St Louis 2 Mo
Canvas Products Co St Louis 4 Mo
Geo B Carpenter & Co 440 N Wells Chgo Ill
C R Daniels Inc 44 West NY NY
Fulton Bag & Cotton Mills Co Atlanta Ga (174)
J W Johnson Co 1237 N Honore Chgo Ill
Tucker Duck & Rubber Co Fort Smith Ark
Wellington Sears Co 65 Worth NY NY
Werner Canvas Products Co 607 Bergen Brooklyn 17 N Y
William W Stanley Co Inc 401 Broadway New York 13 N Y

CANVAS—washable, wall

Columbus Coated Fabrics Corp 7th & Grant Avs Columbus 16 Ohio

CAPS—advertising

Economy Novelty & Printing Co 225 W 39 NY NY
Kemper Thomas Co Cincinnati O
Minnesota Specialty Co Second Av N & 4th Minneapolis Minn
New York Adv Cap Co Inc 396 Broadway NY NY
Bemis Bro Bag Co St Louis 2 Mo

CAR DOOR OPENER

Mining Safety Device Co Bowerston O

CAR MOVERS

Frank R Buck & Co 2133 W Touhy Av Chgo 45 Ill (216)

CAR DOOR LUMBER ROLLERS

American Logging Tool Co Evart Mich (192)
Frank R Buck & Co 2133 W Touhy Av Chgo 45 Ill (216)

CARRIAGES—sawmill

Allis Chalmers Mfg Co Milwaukee Wis (152)
American Sawmill Mach Co Hackettstown N J (218)
Corinth Machinery Co Corinth Miss (171)
Corley Mfg Co Chattanooga 1 Tenn (174)
Enterprise Co Columbiana O (218)
The Filer & Stowell Co Milwaukee 7 Wis
Lane Mfg Co Montpelier Vt (146)
Prescott Co Menominee Mich
Yates American Mach Co Beloit Wis

CARS—lumber transfer

Allis Chalmers Mfg Co Milwaukee Wis (152)
American Mfg Co Inc 2119 Pacific Av Tacoma 2 Wash (234-236)
Corinth Machinery Co Corinth Miss (171)
Leitelt Iron Wks Erie Av Grand Rapids 2 Mich (232)
Moore Dry Kiln Co P O Box 4248 Jacksonville 1 Fla (227)

CARTS—fire hose

W D Allen Mfg Co 566 W Lake Chgo 6 Ill
American-La France-Foamite Corp Elmira N Y
Safety Fire Extinguisher Co 293 7th NY NY
Wirt & Knox Mfg Co Phil Pa

CATCHES

American Cabinet Hdw Corp Rockford Ill (11)
Casement Hdw Co 406 N Wood Chgo Ill
Champion Hdw Co Geneva O
P & F Corbin Co New Britain Conn (201)
Frantz Mfg Co Sterling Ill (144)
Knape & Vogt Mfg Co Grand Rapids Mich
Lawrence Bros Sterling Ill
Lockwood Hdw Mfg Co Fitchburg Mass (163)
Nat'l Brass Co Grand Rapids Mich
Nat'l Lock Co Rockford Ill (15)
Penn Hdw Co Reading Pa
Reading Hdw Corp Reading Pa
Russell & Erwin Div The American Hdw Corp New Britain Conn (202)
Safe Padlock & Hdw Co Lancaster Pa
Sargent & Co New Haven Conn
The Stanley Wks New Britain Conn (64)
Yale & Towne Mfg Co Stamford Conn

CAULKING COMPOUND

Acme White Lead & Color Wks 8250 St Aubin Av Detroit 11 Mich
American Asphalt Roof Corp Kan Cty Mo
American Marietta Co 43 E Ohio Chgo 11 Ill
Anti Hydro Waterproofing Co Newark 8 N J
Armstrong Co 4065 S La Salle Chgo 9 Ill (190)
Atlantic Varnish & Paint Co Inc P O Box 474 Richmond Va
The Biddle Co St Louis 2 Mo (162)
Black Swan Mfg Co 2235 W Grand Av Chgo Ill
A Burdsal Co Indianapolis Ind
Calbar Paint & Varnish Co 2612 N Martha Phil 25 Pa
Philip Carey Co Cincinnati 15 O
Ceresit Waterproofing Corp 512 S Canal Chgo Ill
Chemical Supply Co 225 Plymouth Bldg Cleveland 15 Ohio
The Eagle-Picher Co American Bldg Cincinnati 1 Ohio
Felton Sibley & Co Inc 136 N 4th Philadelphia 6 Pa
Flintkote Co 30 Rockefeller Plaza NY NY (10)
Ford Roofing Products Co 111 W Washington Chgo 2 Ill
Forman Ford & Co Minneapolis 1 Minn
Fort Pitt Chem Co Pittsburgh 22 Pa
The Glidden Co 11001 Madison Av Cleveland 2 Ohio
The B F Goodrich Co Akron Ohio (rubber)
Harrop Chemical Co 135 Hoboken Av Jersey City 2 N J
A C Horn Co 43-42 Tenth St Long Island City 1 N Y
Johns-Manville Corp 22 E 40th NY 16 NY ((62-63)
Lastik Prod Co Inc Pittsburgh Pa
Macklanburg-Duncan Co Oklahoma City 1 Okla
Mar-Kay Mfg Co 2715 S Second St St Louis Mo
B F Nelson Mfg Co Minneapolis 13 Minn
Ira Parker & Sons Co Oshkosh Wis (198)
Pecora Paint Co American & Venango Philadelphia 40 Pa
Phelan-Faust Paint Mfg Co St Louis 11 Mo
Pioneer Mfg Co Cleveland O
Pittsburgh Plate Glass Co 2000 Grant Bldg Pittsburgh 19 Pa (43)
Plastic Prod Co 6475 Georgia Av Detroit 11 Mich
Protex Weatherstrip Mfg Co 4500 S Western Chgo Ill
Ranetite Mfg Co Inc 1917 S Broadway St Louis Mo (212)
Sealcon Prod Inc 927 Second Av S Minneapolis 2 Minn
The Security Co Detroit 3 Mich (138)
L Sonneborn Sons Inc 88 Lexington Av NY 16 NY
Steelcote Mfg Co 3418 Gratiot St Louis 3 Mo (156)
Sterling Paint & Varnish Co Malden 48 Mass
The Sullivan Co P O Box 2606 Memphis 2 Tenn (234)
Tamms-Silica Co 228 N La Salle Chgo 1 Ill
Tremco Mfg Co Cleveland O
W F Webster Cement Co Cambridge 41 Mass
X Pando Corp 43-15 36th Long Island City N Y

CEMENT—asbestos

American Asphalt Roof Corp Kansas City Mo
Baltimore Paint & Color Works Baltimore 23 Md
Philip Carey Mfg Co Lockland Cincinnati 15 Ohio
Curtis Asbestos Co Boston 10 Mass
The Dad & Lad Co New Lenox Ill (236)
Ehret Magnesia Mfg Co Inc Valley Forge Pa
Excelsior Stove & Mfg Co Quincy Ill
The Flintkote Co 30 Rockefeller Plaza NY NY (10)
Johns-Manville Corp 22 E 40th NY 16 NY (62-63)
Keasbey & Mattison Co Ambler Pa
Pecora Paint Co American & Venango Philadelphia 40 Pa
Plant Rubber & Asbestos Works San Francisco 7 Calif
Plibrico Jointless Firebrick Co 1800 N Kingsbury Chicago 14 Ill
The Ruberoid Co 500 Fifth Av NY 18 NY
Standard Asbestos Mfg Co 822 W Lake Chgo Ill
Steelcote Mfg Co 3418 Gratiot St Louis 3 Mo (156)

CEMENT—belt

Bay State Belting Co 234 Summer St Boston 10 Mass
Chicago Belting Co 121 N Green St Chgo Ill
Chicago Rawhide Mfg Co 1301 N Elston Av Chicago Ill
The B F Goodrich Co Akron Ohio
Graton & Knight Worcester Mass
Page Belting Co Concord New Hampshire
J E Rhoads & Son Philadelphia 6 Pa
Chas A Schieren Co 30 Ferry New York 7 N Y
Webb Belting Co Kansas City 7 Mo

CEMENT—iron

Clark Cast Steel Cement Co 2612 W 17th Wilmington 73 Del
Pecora Paint Co American & Venango Philadelphia 40 Pa

Number in parenthesis indicates page on which advertisement appears.

Ranetite Mfg Co Inc 1917 S Broadway St Louis Mo (212)
Rutland Fire Clay Co Rutland Vt
Smooth-On Mfg Co 568-574 Communipaw Av Jersey City 4 N J
So-Lo Wks Inc Loveland O
Tamms Silica Co 228 N LaSalle Chgo 1 Ill

CEMENT—mortar

Alpha Portland Cement Co Easton Pa
Dewey Portland Cement Co 310 Ward Pkwy Kansas City 2 Mo
Hawkeye Portland Cement Co of Iowa 802 Hubbell Bldg Des Moines Iowa
Lehigh Portland Cement Co Allentown Pa
Louisville Cement Co Inc 315 Guthrie Louisville 2 Ky
Marquette Cement Mfg Co Marquette Bldg Chgo Ill
Medusa Portland Cement Co Cleveland O
Ohio Hydrate & Supply Co Woodville O
Riverton Lime & Stone Co Inc Riverton Va
Trinity Portland Cement Co Dallas Tex (144)
Universal Atlas Cement Co 135 E 42nd NY 17 NY
Walsh Refractories Corp St Louis 7 Mo
X-Pando Corp 43-15 36th Long Island City 1 N Y

CEMENT—plastic

Acme Brick Co Ft Worth Texas
American Asphalt Roof Corp Kansas City Mo
Baltimore Paint & Color Works Baltimore 23 Md
Barrett Div Allied Chemical & Dye Corp 40 Rector NY NY (38)
Bird & Son Inc East Walpole Mass
Blue Ridge Talc Co Inc Henry Va
Certain-teed Products Corp 120 S La Salle Chgo 3 Ill (60)
Henry Cowell Lime & Cement Co 2 Market San Fran 11 Cal
The Dow Chemical Co Midland Mich (147)
E I Du Pont de Nemours & Co Inc Wilmington Del (177)
Durite Plastics Inc 5000 Summerdale Av Philadelphia 24 Pa
Ehret Magnesia Mfg Co Inc Valley Forge Pa
Ford Roofing Products Co 111 W Washington Chgo 2 Ill
A C Horn Co 43-42 Tenth Long Island City 1 NY
Monsanto Chemical Co St Louis 4 Mo (57)
B F Nelson Mfg Co Minneapolis Minn
Presstite Engineering Co St Louis 10 Mo
Prestile Mfg Co 2860 Lincoln Av Chgo 13 Ill
The Ruberoid Co 500 Fifth Av New York 18 N Y
Steelcote Mfg Co 3418 Gratiot St Louis 3 Mo (156)
The Sullivan Co P O Box 2606 Memphis 2 Tenn (234)
W F Webster Cement Co Cambridge 41 Mass

CEMENT—Portland

Alpha Portland Cement Co Easton Pa
Ashgrove Lime & Portland Cement Co Kansas City Mo
Bessemer Limestone & Cement Co Youngstown 3 O
Calif Portland Cement Co Los Angeles Cal
Carney Co Mankato Minn
Colorado Portland Cement Co Denver Natl Bldg Denver 2 Colo
Consolidated Cement Corp 111 W Monroe St Chgo Ill
Henry Cowell Lime & Cement Co 2 Market San Fran 11 Cal
Dewey Portland Cement Co 310 Ward Pkwy Kansas City 2 Mo
Florida Portland Cement Co Tampa Fla
Hawkeye Portland Cement Co of Iowa 802 Hubbell Bldg Des Moines Iowa
Hercules Cement Corp Phil Pa
Huron Portland Cement Co 1325 Ford Bldg Detroit 26 Mich
Kosmos Portland Cement Co Louisville Ky
Lehigh Portland Cement Co Allentown Pa
Lone Star Cement Corp 342 Madison Av NY NY
Louisville Cement Co Inc 315 Guthrie Louisville 2 Ky
Marquette Cement Mfg Co 140 S Dearborn Chgo 3 Ill
Pacific Portland Cement Co San Francisco 6 Cal
Southern Cement Co Birmingham 3 Ala
Trinity Portland Cement Co Dallas Tex (144)
Universal Atlas Cement Co 135 E 42nd NY 17 NY

CEMENT—refractory

Acme Brick Co Ft Worth Texas
Armstrong Co Detroit 17 Mich (190)
The Babcock & Wilcox Co 85 Liberty St New York 6 NY
Chicago Fire Brick Co 1467 Elston Av Chgo 22 Ill
Denver Fire Clay Co Denver Colo
Dewey Portland Cement Co 310 Ward Pkwy Kansas City 2 Mo
The Eagle-Picher Co Cincinnati 1 Ohio
Ehret Magnesia Mfg Co Inc Valley Forge Pa
Gen'l Refractories Co Phil Pa
Gladding-McBean & Co San Francisco Cal
A P Green Fire Brick Co Mexico Mo
Harbison Walker Refractories Co Farmers Bank Bldg Pittsburgh Pa
Johns-Manville Corp 22 E 40th N Y 16 NY (62-63)
Keystone Refractories Co 120 Liberty St NY 6 NY
Laclede-Christy Clay Prod Co St Louis Mo
Mexico Refractories Co Mexico Mo
North American Refractories Co Cleveland 14 O
Pecora Paint Co Inc Phil Pa
Plibrico Jointless Firebrick Co 1800 N Kingsbury Chgo 14 Ill
Robinson Clay Prod Co Akron O
Sauereisen Cement Co Pittsburgh Pa
Seaboard Refractories Co Perth Amboy N J
Sealcon Products Inc Minneapolis 2 Minn
Universal Atlas Cement Co 135 E 42nd New York 17 N Y
Universal Zonolite Insulation Co 135 S La Salle St Chicago Ill (155)
Walsh Refractories Corp St Louis 7 Mo

CEMENT—roofing

Acme White Lead & Color Wks 8250 St Aubin Av Detroit 11 Mich
American Asphalt Roof Corp Kansas City Mo
American Marietta Co 43 E Ohio Chgo 11 Ill
Armstrong Co Detroit 17 Mich (190)
Barrett Div Allied Chemical & Dye Corp 40 Rector NY NY (38)
Black Swan Mfg Co 2235 W Grand Av Chgo Ill
Philip Carey Mfg Co Cincinnati 15 O
Carter Paint Co Liberty Ind
The Celotex Corp 120 S LaSalle Chgo 3 Ill (136)
Central Division Co 221 N LaSalle Chgo 1 Ill
Certain-teed Products Corp 120 S La Salle St Chgo Ill (60)
Chemical Supply Co 225 Plymouth Bldg Cleveland 15 Ohio
Coal Tar Products Co Brooklyn N Y
Colorado Paint Co 3551 Blake Denver 5 Colo
The Dad & Lad Co New Lenox Ill (236)
Flintkote Co 30 Rockefeller Plaza NY NY (10)
Ford Roofing Products Co 111 W Washington Chgo 2 Ill
Fort Pitt Chem Co Pittsburgh 22 Pa
Glidden Co Cleveland Ohio
A C Horn Co 43-42 Tenth Long Island City 1 NY
Interstate Chemical Mfg Co Reading Pa
Johns-Manville Corp 22 E 40th NY 16 NY (62-63)
Jones & Brown Inc Pittsburgh Pa
Koppers Co Inc Pittsburgh 19 Pa
Lastik Products Co Inc Pittsburgh Pa
Minnesota Linseed Oil Paint Co Minneapolis Minn
B F Nelson Mfg Co Minneapolis 13 Minn
Pecora Paint Co Inc Phil Pa
Pioneer Mfg Co Cleveland O
Reilly Tar & Chemical Corp Indianapolis 4 Ind
Republic Creosoting Co Indianapolis 4 Ind
The Ruberoid Co 500 Fifth Av NY 18 NY
Rutland Fire Clay Co Rutland Vt
L Sonneborn Sons Inc 88 Lexington Av NY 16 NY
Steelcote Mfg Co 3418 Gratiot St Louis 3 Mo (156)
The Sullivan Co P O Box 2606 Memphis 2 Tenn (234)
Tremco Mfg Co Cleveland O
U S Gypsum Co 300 W Adams Chgo 6 Ill
United Gilsonite Laboratories Scranton Pa
Webster Cement Co Cambridge Mass

CEMENT—rubber

Auburn Rubber Corp Auburn Ind
Broadway Rubber Mfg Co 529 E Broadway Louisville 2 Ky (210)
Crescent Prod Co Terre Haute Ind
Durkee-Atwood Co Minneapolis Minn
General Tire & Rubber Co Akron Ohio
Goodyear Tire & Rubber Co Akron O
Hadley Bros-Uhl Company 3952 W Pine Blvd St Louis 8 Mo
Holdfast Rubber Co Atlanta Ga
R M Hollingshead Corp Camden N J
H B Fred Kuhls 6413 3rd Av Brklyn N Y
The Las-Stik Mfg Co B & Wayne sts Hamilton Ohio
Major Mfg Co 461 Pearl NY NY
The B F Goodrich Co Akron Ohio
Okonite Co Passaic N J
Rainbow Rubber Co Butler Pa
Raybestos - Manhattan Inc Manhattan Rubber Div Passaic N J
Ross Chem Prod Detroit Mich
St Louis Rubber Cement Co Inc St Louis Mo
Schacht Rubber Mfg Co Huntington Ind
United States Rubber Co 1230 6th Av New York 20 N Y
W F Webster Cement Co Cambridge 41 Mass
Van Cleef Bros 7800 S Woodlawn Chgo Ill

CEMENT—tile

Black Swan Mfg Co 2235 W Grand Av Chgo Ill
Boyle-Midway Inc Jersey City 2 N Y (142)
Lastik Products Co Inc Pittsburgh 22 Pa
National Casein Sales 601 W 80th Chgo 20 Ill
Pecora Paint Co American & Venango Philadelphia 40 Pa
Prestile Mfg Co 2860 N Lincoln Av Chgo 13 Ill
Sauereisen Cement Co Pittsburgh Pa
So-Lo Wks Inc Loveland O
W F Webster Cement Co Cambridge 41 Mass
X-Pando Corp 43-15 36th Long Island City N Y
Youngstown Mfg Inc Youngstown 6 O

CEMENT—waterproofing

Adensite Co Inc 37-19 23rd St L I City NY
American Fluresit Co Inc Cincinnati 29 Ohio
Baltimore Paint & Color Works Baltimore 23 Md
Barclay Mfg Co 385 Gerard Av Bronx NY
Barrett Div Allied Chemical & Dye Corp 40 Rector NY NY (38)
Black Swan Mfg Co 2235 W Grand Av Chgo Ill
Philip Carey Mfg Co Cincinnati 15 O
Ceresit Waterproofing Corp 512 S Canal Chgo Ill
Certain-teed Products Corp 120 S La Salle Chgo 3 Ill (60)
E I Du Pont de Nemours & Co Wilmington Del (177)
A C Horn Co 43-36 Tenth Long Island N Y
Johns-Manville Corp 22 E 40th NY 16 NY (62-63)
Lastik Prod Co Inc Pittsburgh Pa
Louisville Cement Co Inc 315 Guthrie Louisville 2 Ky
Medusa Portland Cement Co Cleveland O
Pecora Paint Co Phil Pa
Presstite Engineering Co St Louis 10 Mo
Protection Products Mfg Co Kalamazoo Mich
Ranetite Mfg Co Inc 1917 S Broadway St Louis Mo (212)
Robeson-Preservo Co Port Huron Mich
Sauereisen Cement Co Pittsburgh Pa
Sealcon Products Inc Minneapolis 2 Minn
Smooth-On Mfg Co 568-574 Communipaw Av Jersey City 4 N J
Stonhard Co Philadelphia 8 Pa
Trinity Portland Cement Co Dallas Tex (144)
United States Rubber Co 1230 6th Av New York 20 N Y
Van Cleef Bros 7800 S Woodlawn Chgo Ill
Vita-Var Corp Newark N J (350)
X-Pando Corp 43-15 36th Long Island City N Y

Number in parenthesis indicates page on which advertisement appears

CHAIN—conveyor

American Chain Div American Chain & Cable Co Inc York Pa
The C O Bartlett & Snow Co 6200 Harvard Av Cleveland 5 Ohio
Chain Belt Co Milwaukee 4 Wis
The Cleveland Chain & Mfg Co Cleveland 5 Ohio
Diamond Chain & Mfg Co 450 Kentucky Av Indianapolis 7 Ind
The Filer & Stowell Co Milwaukee 7 Wis
Gifford-Wood Co Hudson N Y
International Chain & Mfg Co York Pa
Link-Belt Co 300 W Pershing Chicago Ill
Newhall Chain Forge & Iron Co 48 W Broadway NY NY
Prescott Co Menominee Mich
Standard Conveyor Co North St Paul 9 Minn
S G Taylor Chain Co Hammond Ind
Wickwire Spencer Steel A Div of The Colorado Fuel & Iron Corp 500 Fifth Av New York 18 N Y (66)
U S-Challenge Co Batavia Ill

CHAIN—logging & loading

Amer Chain Div Amer Chain & Cable Co Inc York Pa
Bridgeport Chain & Mfg Co Bridgeport Conn
The Cleveland Chain & Mfg Co Cleveland 5 Ohio
Columbus McKinnon Chain Corp Tonawanda N Y
Clinton Hobbs Co Everett Mass
Hodell Chain Co Cleveland O
Internat'l Chain & Mfg Co York Pa
Newhall Chain Forge & Iron Co 48 W Bdwy NY NY
Peerless Chain Co Winona Minn
Prescott Co Menominee Mich
S G Taylor Chain Co Hammond Ind
Western Chain Prods Co 1807 W Belmont Chgo Ill
White Hill Chain Wks Fieldsboro N J

CHAIN—roller

The C O Bartlett & Snow Co 6200 Harvard Av Cleveland 5 Ohio
Chain Belt Co Milwaukee Wis
Diamond Chain & Mfg Co 450 Kentucky Av Indianapolis 7 Ind
The Filer & Stowell Co Milwaukee 7 Wis
Jeffrey Mfg Co Columbus O
Link-Belt Co 300 W Pershing Chgo Ill
Morse Chain Co Ithaca N Y
Prescott Co Menominee Mich

CHAIN—sash

Bridgeport Chain & Mfg Co Bridgeport Conn
Carroll Chain Co Columbus O
Chase Brass & Copper Co Waterbury 91 Conn
The Cleveland Chain & Mfg Co Cleve- 5 Ohio
P & F Corbin New Britain Conn (201)
Esco Chain Wks 309 E 22nd NY NY
S Parker Hardware Mfg Co 27 Ludlow New York 2 N Y
Peerless Chain Co Winona Minn
Phoenix Hdwe Mfg Co Buffalo N Y
Protex Weatherstrip Mfg Co 4500 S Western Chgo Ill
Russell Mfg Co Naugatuck Conn
Turner & Seymour Mfg Co Torrington Conn

CHAIN—transom

American Chain Div American Chain & Cable Co Inc York Pa
Barrows Lock Wks Div of The Yale & Towne Mfg Co No Chgo Ill
Champion Hdwe Co Geneva O
The Cleveland Chain & Mfg Co Cleveland 5 Ohio
P & F Corbin New Britain Conn (201)
Lawrence Bros Sterling Ill
Norwalk Lock Co 395 Broadway NY 13 NY
S Parker Hardware Mfg Co 27 Ludlow New York 2 N Y
Russell & Erwin Div The American Hdw Corp New Britain Conn (202)
The Safe Padlock & Hardware Co Lancaster Pa
Sager Lock Wks of Yale & Towne Mfg Co No Chgo Ill
Sharon Hardware Mfg Co Sharon Pa
Yale & Towne Mfg Co Stamford Conn

CHAIN DRIVES

Chain Belt Co Milwaukee 4 Wis
The Filer & Stowell Co Milwaukee 7 Wis
Link-Belt Co 300 W Pershing Chgo Ill
Morse Chain Co Ithaca N Y
Prescott Co Menominee Mich
Ramsey Chain Co Albany N Y

CHALK LINES

Cleveland Mill & Power Co Lawnsdale N C
B F Gladding & Co South Otselic N Y
Hoffman Lion Mills Co Inc Fall River Mass
Lees Mfg Co 257 4th Av NY NY
Raucher Mfg Co Norwich Conn
Samson Cordage Wks Boston Mass (214)
Tennessee Line & Twine Co Elizabethton Tenn
Turner & Stanton Co Norwich Conn

CHAMOIS

American Sponge & Chamois Co 47 Ann St NY 7 NY
Atlantic Sponge & Chamois Corp 49 Walker NY NY
Florida Sponge & Chamois Co 42 Cliff NY NY
H L Ettman Sponge Co St Louis 3 Mo
Great Eastern Sponge & Chamois Co Baltimore Md
Greek Amer Sponge Co 158 N Franklin Chgo Ill
Gulf & West Indies Co 141 Water NY 5 NY
A C Lawrence Leather Co Peabody Mass
Nassau Sponge Co 124 W Kinzie St Chgo 10 Ill
Robinson Sponge Co 1805 Atlantic Ave Brooklyn 33 N Y
Schroeder & Tremayne Inc 1711 Delmar Blvd St Louis 3 Mo

CHECKS—door

P & F Corbin New Britain Conn (201)
Frantz Mfg Co Sterling Ill (144)
Independent Lock Co Fitchburg Mass (163)
Kant Slam Door Check Co Bloomfield Ind
Lockwood Hdwe Mfg Co Fitchburg Mass (163)
Newell Mfg Co Lowell Mich
Norton Door Closer Co 2900 N Western Av Chgo 18 Ill
S Parker Hardware Mfg Co 27 Ludlow New York 2 N Y
Reading Hdwe Corp Reading Pa
Richards-Wilcox Mfg Co Aurora Ill
Russell & Erwin Div The American Hdw Corp New Britain Conn (202)
Sargent & Co New Haven Conn
Yale & Towne Mfg Co Stamford Conn

CHIMNEY TOPS

Adams Co Dubuque Ia
Dennison Sewer Pipe Co Dennison O
Dickey W S Clay Mfg Co Kan City Mo
Gedge Bros Steel Roofing Co Anderson Ind
Gladding-McBean & Co San Francisco Cal
Lehigh Sewer Pipe & Tile Co Ft Dodge Ia
Northwestern Terra Cotta Co 1750 W Wrightwood Chgo Ill
Owensboro Sewer Pipe Co Inc Owensboro Ky
Robinson & Son Sewer Pipe Co Uhrichsville O
Sealcon Products Inc Minneapolis 2 Minn
Streator Drain Tile Co Streator Ill
Washington Brick & Lime Co Spokane Wash

CHISELS

Amer Swiss File & Tool Co Elizabeth N J
Baltimore Tool Wks Inc Baltimore Md
Billings & Spencer Co Hartford Conn
Bridgeport Hdwe Mfg Corp Bridgeport Conn
Champion-De Arment Tool Co Meadville Pa
Cincinnati Tool Co Cincinnati O
Cleveland Steel Tool Co Cleveland O
Cornwell Quality Tools Co Mogadore O
Crescent Tool Co Jamestown N Y
Damascus Steel Prod Corp Rockford Ill
Delaware Tool Steel Corp Wilmington 99 Del
Duro Metals Prods Co 2651 N Kildare Av Chgo Ill
Fairmont Tool & Forging Co 10611 Quincy Av Cleveland Ohio
Greenlee Bros & Co Rockford Ill
Harrold H J Tool Co Columbiana O
Heller Brothers Co Newark 4 N J
Hubbard & Co 6301 Butler St Pittsburgh 1 Pa
Leetonia Tool Co Leetonia Ohio
Mayhew Steel Products Inc Shelburne Falls Mass (wood)
Mephisto Tool Co Inc Hudson N Y
Mueller Co Decatur Ill
Owatonna Tool Co Owatonna Minn
Oxford Tool Co Phil 22 Pa
P & C Hand Forged Tool Co Portland Ore
Peck Stow & Wilcox Co Southington Conn
Plomb Tool Co Los Angeles Cal
Plumb Fayette R Inc Phila Pa
Rainey-Tools Grove City Pa
Sargent & Co New Haven Conn
The Stanley Wks New Britain Conn (64)
Vaughan & Bushnell Mfg Co 135 S La Salle Chgo Ill
Vulcan Tool Mfg Co Quincy Mass
Warren Tool Corp Warren O
Wilde Drop Forge & Tool Co Inc Kansas City Mo
Woodings-Verona Tool Wks Verona Pa

CLAMPS—"C"

Adjustable Clamp Co 417 N Ashland Av Chgo 22 Ill
Armstrong Bros Tool Co 317 N Francisco Av Chgo
Batavia Clamp Co Inc Batavia N Y
Black Bros Co Inc Mendota Ill
Eberhard Mfg Co Div Eastern Malleable Iron Co Cleveland O
Grand Specialties Co 3101 W Grand Av Chgo Ill
Handy Mfg Co 2432 W Lawrence Chgo Ill
The Majestic Co Huntington Ind
Williams Form Engineering Corp Grand Rapids 7 Mich

CLAMPS—carpenter steel bar

Adjustable Clamp Co 417 N Ashland Av Chgo 22 Ill
Batavia Clamp Co Inc Batavia N Y
Billings & Spencer Co Hartford Conn
Black Bros Co Inc Mendota Ill
Cincinnati Tool Co Cincinnati O
Eberhard Mfg Co Div Eastern Malleable Iron Co Cleveland O
Grand Specialties Co 3101 W Grand Av Chgo Ill
Handy Mfg Co 2432 W Lawrence Chgo Ill
Hartford Clamp Co E Hartford Conn
Malleable Iron Fittings Co Branford Conn
Phoenix Hdwe Mfg Co Buffalo N Y
Syracuse Stamping Co Inc Syracuse N Y
Taylor Jas L Mfg Co Poughkeepsie N Y

CLAMPS—concrete form

Batavia Clamp Co Batavia N Y
M & M Wire Clamp Co 983-17th Av S E Minneapolis 14 Minn
Richmond Screw Anchor Co Inc 816 Liberty Av Brooklyn 8 N Y
Star Expansion Products Co Inc 147 Cedar New York 6 N Y
Universal Form Clamp Co Inc 1238 N Kostner Chgo Ill
Williams Form Engineering Corp Grand Rapids 7 Mich

CLAMPS—filing

E C Atkins & Co Indianapolis Ind
Batavia Clamp Co Inc Batavia N Y
Cincinnati Tool Co Cincinnati O
Crescent Mach Co Leetonia O
Henry Disston & Sons Inc Tacony Philadelphia 35 Pa
Hanchett Mfg Co Big Rapids Mich
Simonds Saw & Steel Co Fitchburg Mass (52)

CLAMPS—hand screw

Adjustable Clamp Co 417 N Ashland Av Chgo 22 Ill
Armstrong Bros Tool Co 317 N Francisco Av Chgo Ill
Batavia Clamp Co Inc Batavia NY
Black Bros Co Inc Mendota Ill
Eberhard Mfg Co Div Eastern Malleable Iron Co Cleveland O
Chas E Francis Co Huntington Ind

Number in parenthesis indicates page on which advertisement appears

Handy Mfg Co 2432 W Lawrence Chgo
Hartford Clamp Co E Hartford Conn
Malleable Iron Fittings Co Branford Conn
Narragansett Machine Co Providence 1 R I
Phoenix Hdwe Mfg Co Buffalo N Y
Stearns E C & Co Syracuse N Y
Woodruff Walter W & Sons Co Mt Carmel Conn

CLAY PRODUCTS

Acme Brick Co Fort Worth 2 Tex
Adel Clay Products Co Des Moines Ia
Agate Sewer Pipe Co Louisville Ky
Brazil Hollow Brick & Tile Co Brazil Ind
Clay City Pipe Co Uhrichsville Ohio
W S Dickey Clay Mfg Co Kansas City Mo
Pacific Clay Products 306 West Av Los Angeles Cal
The Robinson Clay Products Co Akron 8 Ohio
What Cheer Clay Products Co What Cheer Iowa

CLAY—fire

Acme Brick Co Ft Worth Tex
Cannelton Sewer Pipe Co Inc Cannelton Ind
Chicago Fire Brick Co 1461 N Elston Chgo
Columbia Pipe Co Columbia S C
Denver Fire Clay Co Denver Colo
Denver Sewer Pipe & Clay Co Denver Colo
General Refractories Co Phil Pa
Gladding-McBean & Co San Francisco Cal
Harbison Walker Refractories Co Farmers Bank Bldg Pittsburgh Pa
Laclede-Christy Clay Prods Co St Louis Mo
Lehigh Sewer Pipe & Tile Co Fort Dodge Ia
Mexico Refractories Co Mexico Mo
North American Refractories Co Cleveland 14 O
Owensboro Sewer Pipe Co Inc Owensboro Ky
The Robinson Clay Products Co Akron 8 Ohio
Seaboard Refractories Co Perth Amboy N J
Sealcon Products Inc Minneapolis 2 Minn
Walsh Refractories Corp St Louis 7 Mo
Washington Brick & Lime Co Spokane 8 Wash
What Cheer Clay Products Co What Cheer Iowa

CLEANER—floor

Boston Varnish Co Boston 49 Mass (33)
E L Bruce Co Memphis Tenn
E I DuPont de Nemours & Co Inc Wilmington Del (177)
A C Horn Co 43-42 Tenth Long Island City 1 NY
Industrial Chemical Laboratories Ltd Omaha 2 Neb
Johnson S C & Sons Inc Racine Wis
J A Meinhardt & Co 2622 S Shields Av Chgo Ill
Oakite Products Inc 22 Thames New York 6 N Y
Pennsylvania Salt Mfg Co Philadelphia 7 Pa
Pittsburgh Plate Glass Co 2000 Grant Bldg Pittsburgh 19 Pa (43)
Puritan Chemical Co Atlanta 3 Ga
The Savogran Co Boston 10 Mass (28)
Solventol Chem Prods Inc Detroit 3 Mich
The Sullivan Co P O Box 2606 Memphis 2 Tenn (234)
Tamms-Silica Co 228 N La Salle Chgo 1 Ill
Technical Development Labs Tenafly N J
United Gilsonite Labs Scranton Pa
U S Sanitary Specialties Corp 435 S Western Av Chgo 12 Ill

CLEANER—paint brush

Boston Varnish Co Boston 49 Mass (33)
Boyer Chem Lab Co 2706 S Wabash Av Chgo Ill
Boyle-Midway Inc 257 Cornelison Av Jersey City 2 N J (142)
Briggs Maroney Co Inc Everett 49 Mass
Samuel Cabot Inc 141 Milk St Boston 9 Mass (180)
Cleveland Cleaner & Paste Co Cleveland 2 Ohio
Glidden Co Cleveland Ohio
Industrial Chemical Development Corp 347 Madison Av New York 17 N Y
W W Lawrence & Co 1124 W Carson Pittsburgh 19 Pa
J A Meinhardt & Co 2622 S Shields Av Chgo Ill
Patent Cereals Co Geneva NY
Pittsburgh Plate Glass Co 2000 Grant Bldg Pittsburgh 19 Pa (43)
Premier Chem Co Cleveland O
The Savogran Co Boston 10 Mass (28)
Schalk Chemical Co Los Angeles 12 Cal
Technical Development Labs Tenafly N J
Tamms-Silica Co 228 N La Salle Chgo 1 Ill
Wooster Brush Co Wooster O

CLEANER—wall paper

Abserene Mfg Co St Louis Mo
Cleveland Clnr & Paste Co Cleveland O
Climax Industries Inc Cleveland O
Commercial Paste Co Columbus 8 O
Crescent Prods Co Terre Haute Ind
J A Meinhardt & Co 2622 S Shields Av Chgo Ill
Pittsburgh Plate Glass Co 2000 Grant Bldg Pittsburgh 19 Pa (43)
Sponge Rubber Prods Co Derby Conn

CLEANER—window

B T Babbitt Inc 386 4th Av New York 16 N Y
Boyle-Midway Inc 257 Cornelison Av Jersey City 2 N J (142)
J I Holcomb Mfg Co Indianapolis 7 Ind
R M Hollingshead Corp Camden N J
J A Meinhardt & Co 2622 S Shields Av Chgo Ill
Oakite Products Inc 22 Thames New York 6 N Y
O-Cedar Corp 2246 W 49th Chgo 9 Ill
Puritan Chemical Co Atlanta 3 Ga
Socony-Vacuum Oil Co Inc 26 Bdwy NY NY
Solvay Sales Corp 40 Rector New York 6 N Y
The Sullivan Co P O Box 2606 Memphis 2 Tenn (234)
Technical Development Labs Tenafly N J

CLIPS—concrete

Kelly Steel Works Inc 5767 W 65th Chgo 38 Ill
Union Steel Prod Co Albion Mich
Universal Form Clamp Co 972 W Montana Chgo Ill
Williams Form Engineering Corp Grand Rapids 7 Mich

CLIPS—floor

Bethlehem Steel Co Bethlehem Pa
Jeschke Wire & Spec Co Crawfordsville Ind
Kelly Steel Works Inc 5767 W 65th Chgo 38 Ill
Knapp Bros Mfg Co Joliet Ill
Merwin Mfg Co Erie Pa
Williams Wallace Co San Francisco Cal

CLIPS—glazing for steel sash

Adams Co Dubuque Ia
Detroit Steel Prod Co Detroit Mich
Eastern Tool & Mfg Co Bloomfield N J
L F Grammes & Sons Inc 396 Union Allentown Pa
M D Hubbard Spring Co Pontiac Mich
Jeschke Wire & Spec Co Crawfordsville Ind
The Majestic Co Huntington Ind
Michel & Pfeffer Iron Wks Inc 1415 Harrison San Fran 3 Cal
Parker Wire Goods Co Worcester Mass
Truscon Steel Co Youngstown O
L A Young Spring & Wire Corp Detroit Mich

CLOTH—hardware

American Wire Fabrics Corp 500 Fifth Av NY NY (66)
Clinton Wire Cloth Co Clinton Iowa
Cyclone Fence Div American Steel & Wire Co P O Box 260 Waukegan 1 Ill
Gilbert & Bennett Mfg Co Georgetown Conn
Seneca Wire & Mfg Co Fostoria O (237)
Wickwire Bros Inc Cortland N Y (158)
Wickwire Spencer Steel A Div of The Colorado Fuel & Iron Corp 500 Fifth Av New York 18 N Y (66)

CLOTHES DRYERS

Southern Galvanizing Co Baltimore 30 Md (steel, fabricated) (219)

CLOTHESLINE—braided fabric

American Mfg Co Brooklyn N Y
American Phenolic Corp Cicero Ill
Geo B Carpenter & Co 440 N Wells Chgo Ill
John H Graham & Co Inc 105 Duane New York 8 N Y
Hoffman Lion Mills Co Inc Fall River Mass
Plymouth Cordage Co No Plymouth Mass
Puritan Cordage Mills Louisville Ky (205)
Samson Cordage Works 89 Broad Boston Mass (214)
Southern Mills Corp Oxford Ala

CLOTHESLINE—wire

American Steel & Wire Co Cleveland 13 Ohio (165)
American Wire Fabrics Corp 500 Fifth Av NY NY (66)
Continental Steel Corp Kokomo Ind
Copperweld Steel Co Glassport Pa
Indiana Steel & Wire Co Muncie Ind
Pittsburgh Steel Co Pittsburgh 30 Pa
Wheeling Corrugating Co Wheeling W Va (42)
Wickwire Bros Inc Cortland NY (158)
Wickwire Spencer Steel A Div of The Colorado Fuel & Iron Corp 500 Fifth Av New York 18 N Y (66)

COAL

Black Star Coal Corp Louisville Ky
Blue Diamond Coal Co Knoxville Tenn
Consolidated Coal & Coke Co Denver Colo
Central Coal & Coke Co Kansas City Mo
Defiance Coal Co Albuquerque N Mex
Cleveland-Cliffs Iron Co Cleveland 14 Ohio
Delaware Lackawanna & Western Coal Co 120 Broadway NY NY
Independent Coal & Coke Co Salt Lake City Utah
Clinchfield Coal Corp Dante Va
Intermountain Coal & Lumber Co Elkins W Va
Montana Coal & Iron Co Billings Mont
Pardee & Curtin Lumber Co Clarksburg W Va
Stearns Coal & Lumber Co Stearns Ky

COAL CHUTES

Adams Co Dubuque Ia
The Donley Bros Co 13928 Miles Av Cleveland 5 Ohio (221)
Gabriel Steel Co Detroit 12 Mich
Chattanooga Implement & Mfg Co Chattanooga 6 Tenn
Houston Blow Pipe & Sheet Mtl Wks Houston Tex (20, 172)
Kewanee Mfg Co Kewanee Ill
La Crosse Steel Roofing & Corrugating Co La Crosse Wis
Majestic Co Huntington Ind
Republic Steel Corp Berger Mfg Div Canton 5 Ohio
Stewart Iron Wks Co Inc Cincinnati O

COLLECTION SERVICE

Lumbermens Credit Assn Inc 608 S Dearborn St Chicago 5 Ill (175)

COLORS—masonry

American Fluresit Co Cincinnati 29 O
Blue Ridge Talc Co Inc Henry Va
Samuel Cabot Inc 141 Milk St Boston 9 Mass (180)
Ceresit Waterproofing Corp 512 S Canal Chgo Ill
Clinton Metallic Paint Co Clinton NY
Mineral Pigments Corp Muirkirk Md
Pecora Paint Co Phil Pa
Ricketson Mineral Color Wks Milwaukee Wis
Sealcon Prod Inc 927 Second Av S Minneapolis 2 Minn
Smith Chem & Color Co 55 John Brooklyn N Y
The Sullivan Co P O Box 2606 Memphis 2 Tenn (234)
Tamms-Silica Co 228 N La Salle Chgo 1 Ill
Williams & Co Easton Pa

COLUMNS—built-up wood

Carr Adams & Collier Co Dubuque Ia (23)
Cole Mfg Co P O Box 2657 Memphis 2 Tenn
Curtis Companies Inc Clinton Ia (12)
Farley & Loetscher Mfg Co Dubuque Iowa
Timber Structures Inc Portland 8 Ore

Number in parenthesis indicates page on which advertisement appears

Huttig Sash & Door Co St Louis Mo
Mutual Fir Column Co Tacoma Wash
Pacific Mutual Door Co Tacoma Wash (225)
George J Silbernagel S S Michigan Av Chgo 3 Ill (176)
Washington Mfg Co Tacoma 1 Wash

CONCRETE BLOCK MACHINES

Besser Mfg Co Alpena Mich
Dunn W E Mfg Co Holland Mich
Kent Mach Co Cuyahoga Falls O (218)
Multiplex Concrete Mach Co Elmore O
Stearns Mfg Co Adrian Mich

CONCRETE CURING COMPOUND

Adensite Co Inc 37-19 23rd Long Island City N Y
Anti Hydro Waterproofing Co Newark 8 N J
Ceresit Waterproofing Corp 512 S Canal Chicago 7 Ill
The Dow Chemical Co Midland Mich (147)
Fort Pitt Chem Co Pittsburgh 22 Pa
Horn A C Co 43-42 10th Long Island City N Y
Inter-State Oil Co Kansas City 3 Kan
Johns-Manville Corp 22 E 40th NY 16 NY (62-63)
Presstite Engineering 3900 Chouteau Av St Louis 10 Mo
Ranetite Mfg Co Inc 1917 S Broadway St Louis Mo (212)
Reilly Tar & Chemical Corp Indianapolis 4 Ind
Republic Creosoting Co Indianapolis 4 Ind
Sealcon Prod Inc 927 Second Av S Minneapolis 2 Minn
Solvay Sales Corp 40 Rector NY NY
L Sonneborn Sons Inc 88 Lexington Av NY 16 NY
The Sullivan Co P O Box 2606 Memphis 2 Tenn (234)
Wall Products Inc Newark 2 N J

CONCRETE CURING PAPER

The Sisalkraft Co 205 W Wacker Dr Chicago 6 Ill (140-168)

CONCRETE HARDENER

Adensite Co Inc 37-19 23rd St L I City NY
American Fluresit Co Cincinnati 29 O
Anti Hydro Waterproofing Co Newark 8 N J
Belmont Smelting & Refining Works Inc 330 Belmont Ave Brooklyn 7 N Y
Ceresit Waterproofing Corp 512 S Canal Chgo
Fort Pitt Chem Co Pittsburgh 22 Pa
Harrop Chemical Co 135 Hoboken Av Jersey City 2 N J
Horn A C Co 43-42 Tenth St Long Island City N Y
Minwax Co Inc 11 W 42nd NY NY
Puritan Chemical Co Atlanta 3 Ga
Ranetite Mfg Co Inc 1917 S Broadway St Louis Mo 212
Sealcon Prod Inc 927 Second Av S Minneapolis 2 Minn
Smooth-On Mfg Co 568-574 Communipaw Av Jersey City 4 N J
L Sonneborn Sons Inc 88 Lexington Av NY 16 NY
Steelcote Mfg Co 3418 Gratiot St Louis 3 Mo (156)
Stonhard Company 401 N Broad Philadelphia 8 Pa
The Sullivan Co P O Box 2606 Memphis 2 Tenn (234)
Tamms-Silica Co 228 N La Salle Chgo 1 Ill
Truscon Labs Detroit Mich

CONNECTORS—timber

Cleveland Steel Specialty Co Cleveland 5 Ohio
Ideal Hanger Co 1272 E 53rd Cleveland 14 Ohio (184)
Timber Engineering Co Washington D C
Timber Engineering Co of Michigan Detroit Mich

CONTROLLERS—electric fence

American Phenolic Corp Cicero Ill
Coburn Mfg Co Whitewater Wis
Electrite Fence Co Whitewater Wis
Gardner Mfg Co Horicon Wis
Guaranteed Products Wellington Ohio
Prime Mfg Co Milwaukee Wis
Red Devil Tools Irvington 11 N J (139)
Reynolds Electric Co 2650 W Congress Chicago 12 Ill

CONVEYORS—chain link & chain belt

Allis Chalmers Mfg Co Milwaukee Wis (152)
American Mfg Co Inc Tacoma 2 Wash (234-236)
The C O Bartlett & Snow Co 6200 Harvard Av Cleveland 5 Ohio
Chain Belt Co Milwaukee 4 Wis
Corinth Machinery Co Corinth Miss (171)
The Filer & Stowell Co Milwaukee 7 Wis
Gifford-Wood Co Hudson N Y
Jeffrey Mfg Co Columbus O
Lamson Co Inc Syracuse N Y
Link Belt Co 300 W Pershing Chgo Ill
Mathews Conveyer Co Ellwood City Pa
Prescott Co Menominee Mich
Richards-Wilcox Mfg Co Aurora Ill
Stephens Adamson Mfg Co Aurora Ill

CONVEYORS—gravity roller

American Mfg Co Inc Tacoma 2 Wash (234-236)
Equipment Engineering Co Kansas City 2 Mo (194)
Logan Co Inc Louisville Ky
Mathews Conveyor Co Ellwood City Pa
Rapids Standard Co Inc Grand Rapids 2 Mich (164)
Standard Conveyor Co N St Paul Minn

CONVEYORS—gravity wheel

Equipment Engineering Co Kansas City 2 Mo (194)
Mathews Conveyor Co Ellwood City Pa
Prescott Co Menominee Mich
Rapids Standard Co Inc Grand Rapids 2 Mich (164)
Standard Conveyor Co North St Paul 9 Minn

CONVEYORS—overhead

Corinth Machinery Co Corinth Miss (171)
Jeffrey Mfg Co Columbus O
Lamson Co Syracuse N Y
Link-Belt Co 300 W Pershing Rd Chgo 9 Ill
Louden Mchy Co Fairfield Ia
Mathews Conveyor Co Ellwood City Pa
The Ney Mfg Co 948 High Av S W Canton 4 Ohio
Northern Conveyor Co Janesville Wis
Richards-Wilcox Mfg Co Aurora Ill

CONVEYORS—portable belt

Atlas Conveyor Co Clintonville Wis
Barber-Greene Co Aurora Ill
Chain Belt Co Milwaukee 4 Wis
Equipment Engineering Co Kansas City 2 Mo (194)
Fairfield Eng Co Marion O
Godfrey Conveyor Co Elkhart Ind
Jeffrey Mfg Co Columbus O
Lamson Co Syracuse N Y
Link Belt Co 300 W Pershing Chgo Ill
Logan Co Inc Louisville 6 Ky
Northern Cenveyor Co Janesville Wis
Rapids Standard Co Inc Grand Rapids 2 Mich (164)
Standard Conveyor Co North St Paul 9 Minn
Stephens Adamson Co Aurora Ill
Webb Belting Co Kansas City 7 Mo

CONVEYORS—portable bucket

Barber-Greene Co Aurora Ill
Chain Belt Co Milwaukee Wis
Fairfield Eng Co Marion O
Jeffrey Mfg Co Columbus O
Link Belt Co 300 W Pershing Chgo Ill

CONVEYORS—portable flight

Atlas Conveyor Co Clintonville Wis
Barber-Greene Co Aurora Ill
Chain Belt Co Milwaukee Wis
Equipment Engineering Co Kansas City 2 Mo (194)
Fairfield Eng Co Marion O
Godfrey Conveyor Co Elkhart Ind
Lamson Co Inc Syracuse N Y
Link Belt Co 300 W Pershing Chgo Ill
Northern Conveyor Co Janesville Wis
Stephens Adamson Co Aurora Ill

CONVEYORS—slab

The C O Bartlett & Snow Co 6200 Harvard Av Cleveland 5 Ohio
Bennett-Ireland Norwich N Y (196)
Chain Belt Co Milwaukee 4 Wis
Corinth Machinery Co Corinth Miss (171)
Corley Mfg Co Chattanooga 1 Tenn (174)
The Filer & Stowell Co Milwaukee 7 Wis
Jeffrey Mfg Co Columbus O
Link Belt Co 300 W Pershing Chgo Ill
Standard Conveyor Co North St Paul 9 Minn

CORD—sash

American Phenolic Corp Cicero Ill
Austin & Eddy Inc P O Box 1504 Boston 4 Mass
Geo B Carpenter & Co 440 N Wells Chgo Ill
John H Graham & Co Inc 105 Duane NY 8 NY
Highland Cordage Co Hickory N C
Hoffman Lion Mills Co Inc Fall River Mass
Hooper Wm E & Sons Co Phil Pa
Mallison Braided Cord Co A Div of Wehadkee Yarn Mills West Point Ga
Protex Weatherstrip Mfg Co 4500 S Western Chgo Ill
Puritan Cordage Mills Louisville Ky (205)
Samson Cordage Works 89 Broad Boston 10 Mass (214)
Silver Lake Co Boston Mass (229)
Southern Mills Corp Oxford Ala
Whittier Mills Co Chattahoochee Ga

CORD—sash, wire

American Steel & Wire Co Cleveland O (165)
Austin & Eddy Inc P O Box 1504 Boston 4 Mass
Macwhyte Co Kenosha Wis
John A Roebling's Sons Co Trenton N J
Upson-Walton Co Cleveland O
Wickwire Spencer Steel A Div of The Colorado Fuel & Iron Corp 500 Fifth Av New York 18 N Y (66)

CORD—venetian blind

American Phenolic Corp Cicero Ill
Archer A W Co Inc 100 Worth NY NY
Fiwale Equipment Mfg Co 165 Church NY 7 NY
Graham John H & Co Inc 105 Duan NY NY
Raucher Mfg Co Inc Norwich Conn
Samson Cordage Wks Boston Mass (214)
The Turner & Stanton Co Norwich Conn

CORN CRIBS

American Steel & Wire Co Cleveland 13 Ohio (165)
Capitol Fence Co 735 N Water Milwaukee Wis
E S Gaynor Lbr Co Sioux City Iowa
Ill Wire & Mfg Co Joliet Ill
James Mfg Co Ft Atkinson Wis
Mattsen Wire & Mfg Co Inc Joliet Ill
Mid States Steel & Wire Co Crawfordsville Ind
Midwest Steel Products Co Kansas City Mo (steel)
Nebraska Bridge Supply & Lumber Co Omaha 5 Neb
New Jersey Fence Co Burlington N J
Rowe Mfg Co Galesburg Ill
Siebring Mfg Co George Iowa
Wheeler-Arnold Co Wittenberg Wis

CORNER BEAD

Alabama Metal Lath Co Birmingham Ala
Bayonne Steel Products Co Newark N J
The Bostwick Steel Lath Co Niles Ohio (213)
Extruded Plastics Inc Norwalk Conn
Hercules Corner Bead Co Inc 245 Alabama Av Brooklyn N Y
Milcor Steel Co Milwaukee 4 Wis (161)
National Gypsum Co Buffalo 2 N Y (40-41)
Penn Metal Co Inc 205 E 42nd NY 17 NY
St Paul Corrugating Co St Paul Minn
Soule Steel Co San Francisco 24 Calif
Superior Plastic Co Oakley at Hubbard Chgo Ill
Truscon Steel Co Youngstown 1 O
U S Gypsum Co 300 W Adams Chgo 6 Ill
Wheeling Corrugating Co Wheeling W Va (42)
Williams-Wallace Co San Francisco 7 Calif

Number in parenthesis indicates page on which advertisement appears

CORNERS—building

Bugher Mfg Co Kokomo Ind
The Donley Bros Co 13928 Miles Av Cleveland 5 Ohio (221)
The Edwards Mfg Co 427-477 Culvert Cincinnati Ohio (160)
Kees F D Mfg Co Beatrice Neb
Klauer Mfg Co Dubuque Ia
La Crosse Steel Roofing & Corrugating Co La Crosse Wis
Merwin Mfg Co Erie Pa
Mid-States Steel & Wire Co Crawfordsville Ind
Milcor Steel Co Milwaukee 4 Wis (161)
Penn Supply & Metal Corp Phila 22 Pa
Republic Steel Corp Berger Mfg Div Canton 5 Ohio
St Paul Corrugating Co St Paul Minn
Sharon Hardware Mfg Co Sharon Pa
Wheeling Corrugating Co Wheeling W Va (42)

COUNTER TOPS

Armstrong Cork Co Lancaster Pa
Bradley Lumber Co of Arkansas Warren Ark (35)
Congoleum-Nairn Inc Kearny N J
The Edwards Mfg Co Cincinnati 2 Ohio (160)
General Wood Works Council Bluffs Ia
The B F Goodrich Co Akron Ohio (rubber)
Harrison Steel Cabinet Co 4718 W 5th Chgo Ill
Marsh Wall Prod Inc Dover O (24)
Masonite Corp 111 W Washington Chgo 2 Ill
Morgan Co Oshkosh Wis
Pittsburgh Plate Glass Co 2000 Grant Bldg Pittsburgh 19 Pa (17)
Reflector Hdwe Corp Western Av & 22nd Pl Chgo Ill
Roddis Lumber & Veneer Co Marshfield Wis
United States Plywood Corp 55 W 44th New York 18 N Y (49)

COUNTERS—store & display

Aurora Equipment Co Aurora Ill
Bulman E O Mfg Co Inc Grand Rapids Mich
Deluxe Metal Furniture Co Warren Pa
General Fireproofing Co Youngstown O
General Wood Works Council Bluffs Ia
Grand Rapids Store Equipment Co Grand Rapids Mich
W C Heller & Co 539 N Clark St Montpelier Ohio
Lyon Metal Prods Inc Aurora Ill
Reflector Hdwe Corp Western Av & 22nd Pl Chgo Ill
Republic Steel Corp Berger Mfg Div Canton 5 Ohio
Universal Steel Equipment Corp 135 W 23rd NY NY

COUPLINGS—flexible shaft

Brad Foote Gear Wks Inc Cicero Ill
Chain Belt Co Milwaukee 4 Wis
Diamond Chain & Mfg Co 450 Kentucky Av Indianapolis 7 Ind
Falk Corp Milwaukee Wis
The Filer & Stowell Co Milwaukee 7 Wis
Jeffrey Mfg Co Columbus O
Kent Machine Co Cuyahoga Falls O (218)
Link Belt Co 300 W Pershing Chgo Ill
Lovejoy Flexible Coupling Co 5001 W Lake Chgo 44 Ill
Morse Chain Co Ithaca N Y
Prescott Co Menominee Mich
Western Fdry Co Portland 1 Ore

CRANES—overhead travelling

Chisholm Moore Hoist Corp Tonawanda N Y
Cleveland Crane & Engr Co Wickliffe O
Louden Machinery Co Fairfield Ia
Reading Chain & Block Corp 2100 Adams St Reading Pa
Richards-Wilcox Mfg Co Aurora Ill
David Round & Son Cleveland 5 Ohio
Shaw-Box Crane & Hoist Div Manning, Maxwell & Moore Inc Muskegon Mich
Shepard Niles Crane & Hoist Co Montour Falls N Y

CRANES—power industrial

American Hoist & Derrick Co 63 So Robert St Paul 1 Minn
Elwell-Parker Elec Co Cleveland 14 O
Hyster Co Portland 8 Ore
Reading Chain & Block Corp 2100 Adams Reading Pa
The Ross Carrier Co Benton Harbor Mich (193)
David Round & Son Cleveland 5 Ohio
Silent Hoist & Crane Co 860 63rd Brooklyn 20 N Y (170)
Washington Iron Works Seattle 4 Wash

CRANES—tractor & truck

Clyde Iron Works Inc Duluth 1 Minn
Hyster Co Portland 8 Ore
Silent Hoist & Crane Co 860 63rd Brooklyn 20 N Y (170)
R G Le Tourneau Inc Peoria 3 Ill

CRATES—wooden

Sullivan Industries Inc Sullivan Ill (22)

CRAYONS—lumber marking

American Crayon Co Sandusky O
Blaisdell Pencil Co Phila Pa
Eagle Pencil Co 703 E 13th New York 9 N Y
Frank R Buck 2133 W Touhy Chgo Ill (216)
Jos Dixon Crucible Co Jersey City N J
Markwell Mfg Co Inc 200 Hudson NY 13 NY
National Crayon Co Easton Pa
Standard Crayon Mfg Co Danvers Mass
Union Crayon Co Lowell Mass

CREDIT INFORMATION

Lumbermen's Credit Assn Inc 608 S Dearborn Chgo Ill (175)

CUTTERS—glass

Wm L Barrett Co 34 School St Bristol Conn
Otto Bernz Co Rochester N Y
Felker Mfg Co Torrance Calif
Fletcher Terry Co Forestville Conn (160)
Glaziers Tool Mfg Corp 611 W Adams Chgo Ill
Mephisto Tool Co Inc Hudson N Y
Millers Falls Co Greenfield Mass
F C Phillips Stoughton Mass
Red Devil Tools Irvington 11 N J (139)
Ridgely Trimmer Co Springfield Ohio
Utica Drop Forge & Tool Corp Utica N Y

CUTTERS—insulation board

Kimball Mfg Co Inc Royal Oak Mich (236)

CUTTERS—insulation hole

Circo Tool Co Milwaukee 3 Wis

CUTTERS—lock corner

Henry Disston & Sons Inc Tacony Philadelphia 35 Pa
Huther Bros Saw Mfg Co Inc Rochester 7 N Y
S A Woods Machine Co Boston 27 Mass

CUTTERS—moulding

Taylor Stiles & Co Riegelsville N J (218)
Henry Disston & Sons Inc Tacony Philadelphia 35 Pa
Ekstrom, Carlson & Coe Rockford Ill
E T Lippert Saw Co Pittsburgh Pa
Samuel J Shimer & Sons Inc Milton Pa
S A Woods Machine Co Boston 27 Mass

CUTTERS—wheel & base

Circo Tool Co Milwaukee 3 Wis
Ridgely Trimmer Co Springfield Ohio

DAMPERS—fireplace

Adams Co Dubuque Ia
Bennett-Ireland Norwich N Y (196)
Chattanooga Implement & Mfg Co Chattanooga 6 Tenn
Colonial Fireplace Co 540 N Cicero Av Chgo 44 Ill
Covert H W Co 339 E 48th NY NY
The Donley Bros Co 13928 Miles Av Cleveland 5 Ohio (221)
Gabriel Steel Co Detroit 12 Mich
Majestic Co Huntington Ind
Peerless Mfg Corp Louisville Ky
Sealcon Products Inc Minneapolis 2 Minn
Superior Fireplace Co Los Angeles Cal (180)
Swett A L Iron Wks Medina N Y
Western Fdry Co Portland 1 Ore

DECKS—gypsum roof

The Celotex Corp 120 S La Salle Chgo 3 Ill (136)
Certain-teed Prod Corp 120 S LaSalle St Chgo 3 Ill (60)
U S Gypsum Co 300 W Adams St Chgo
Wheeling Corrugating Co Wheeling W Va (42)

DIFFERENTIALS—automatic locking, truck axles

Thornton Tandem Co Detroit Mich

DIPPING VATS—lumber

Arrow Tank Co Inc Buffalo 14 N Y
Corley Mfg Co Chattanooga 1 Tenn (174)
The Filer & Stowell Co Milwaukee 7 Wis
Johnson & Carlson 848 W Eastman Chgo 22 Ill
Richmond Engineering Co Inc Richmond Va
U S-Challenge Co Batavia Ill

DISHWASHERS—electric

Edison Gen'l Elec Appliance Co Inc 5600 W Taylor Chgo 44 Ill
Gen'l Elec Co Bridgeport Conn
Westinghouse Elec & Mfg Co Pittsburgh Pa

DOOR BELLS & CHIMES

Angelus Chimes Co 4004 W Jefferson Blvd Los Angeles Cal
P & F Corbin New Britain Conn (201)
J C Deagan Inc 1770 W Berteau Av Chgo Ill
Edwards & Co Inc Norwalk Conn
John H Graham & Co Inc 105 Duane Ave New York 8 N Y
Nu-Tone Inc Cincinnati Ohio
Penn Hardware Co Reading Pa
Pryne & Co Inc Los Angeles 54 Cal
The A E Rittenhouse Co Inc Honeoye Falls N Y
Russell & Erwin Div The American Hdw Corp New Britain Conn (202)
Earl Webber Co 1313 W Randolph Chgo Ill

DOOR BOTTOMS—automatic

Thermal Co Philadelphia 19 Pa (196)

DOOR CLOSERS

Bommer Spring Hinge Co 263 Classon Av Brooklyn 5 NY
P & F Corbin New Britain Conn (201)
Fiwale Equipment Mfg Co 165 Church NY 7 NY
Frantz Mfg Co Sterling Ill (144)
Independent Lock Co Fitchburg Mass (163)
Lockwood Hdwe Mfg Co Fitchburg Mass (163)
Norton Door Closer Co 2900 N Western Av Chgo 18 Ill
S Parker Hardware Mfg Co 27 Ludlow New York 2 N Y
Protex Weatherstrip Mfg Co 4500 S Western Chgo Ill
Richards-Wilcox Mfg Co Aurora Ill
Russell & Erwin Div The American Hdw Corp New Britain Conn (202)
Sager Lock Works Div of The Yale & Towne Mfg Co North Chicago Ill
Shelby Spring Hinge Co Shelby Ohio

DOOR FRAMES—metal

American Sheet Metal Wks New Orleans La
Crittall-Federal Inc Waukesha Wis
Detroit Steel Prod Co Detroit Mich
Diebold Inc Canton 2 Ohio
The Edwards Mfg Co Cincinnati 2 Ohio (160)
Michael Flynn Mfg Co 2247 E Allegheny Av Philadelphia 34 Pa
Kewanee Mfg Co Kewanee Ill
Mesker Bros Iron Co St Louis Mo
Michel & Pfeffer Iron Wks Inc 1415 Harrison San Fran 3 Cal
Republic Steel Corp Cleveland 1 Ohio
Richards-Wilcox Mfg Co Aurora Ill
St Louis Fire Door Co St Louis 4 Mo
Truscon Steel Co Youngstown O

DOOR FRAMES—wood

Andersen Corp Bayport Minn (32)
Biles-Coleman Lbr Co Inc Omak Wash (148)
Bradley Lumber Co of Arkansas Warren Ark (35)

Number in parenthesis indicates page on which advertisement appears

Carr Adams & Collier Dubuque Ia (23)
Cole Mfg Co P O Box 2657 Memphis 2 Tenn
Crossett Lbr Co Crossett Ark
Curtis Companies Inc Clinton Ia (12)
Deer Park Lbr Co Deer Park Wash
Dierks Lbr & Coal Co Kansas City Mo (216)
Exchange Sawmills Co 1111 Long Bldg Kansas City 6 Mo
Farley & Loetscher Dubuque Ia
Fordyce-Crossett Sales Co Fordyce Ark
Frost Lbr Industries Inc Shreveport La (149)
Gregg & Son Nashua N H
Hammond Lumber Co 417 Montgomery San Fran Cal
Huttig Mfg Co Muscatine Ia
Huttig Sash & Door Co St Louis Mo
Ideal Co Box 889 Waco Tex
Keystone Frame & Mfg Co Spokane 3 Wash
Kinzua Pine Mills Co Kinzua Ore (143)
The Long-Bell Lumber Co Kansas City 6 Mo
M & M Wood Working Co Resnprest Div 2301 N Columbia Portland 3 Ore
Malta Mfg Co Malta O
Marquart Millwork Co Oshkosh Wis (219)
Missoula White Pine Sash Co Missoula Mont
Morgan Co Oshkosh Wis
Mutual Fir Column Co Tacoma Wash
Pacific Mutual Door Co Tacoma Wash (225)
Radford & Sanders Inc Baltimore Md
Roach & Musser Co Muscatine Ia
Rock Island Sash & Door Wks Rock Island Ill
Roddis Lumber & Veneer Co Marshfield Wis
Segelke & Kohlhaus Co La Crosse Wis
George J. Silbernagel S S Michigan Av Chgo 3 Ill (176)
Southern Lbr Co Warren Ark
Spokane Pine Prod Co Spokane Wash
Trimpak Corp New Rochelle N Y
Western Pine Mfg Co Ltd Spokane Wash (204)
Weyerhaeuser Sales Co St Paul Minn
The Wheeler Osgood Co Tacoma 1 Wash
White Pine Sash Co Spokane Wash

DOOR GUARDS

Cincinnati Iron Fence Co Inc Cincinnati 6 Ohio
The Columbus Brass Mfg Co 620 Dublin Av Columbus 16 Ohio
P & F Corbin New Britain Conn (201)
Cyclone Fence Div American Steel & Wire Co P O Box 260 Waukegan 1 Ill
The Donley Bros Co 13928 Miles Av Cleveland 5 Ohio (221)
Erco Mfg Co 4010 W Montrose Av Chgo Ill
J W Fiske Iron Works 78 Park Pl New York 7 N Y
Fiwale Equipment Mfg Co 165 Church NY 7 NY
F D Kees Mfg Co Beatrice Neb
Kentucky Metal Prods Co Inc Louisville Ky
Logan Co Inc Louisville 6 Ky
Majestic Co Huntington Ind
Michel & Pfeffer Iron Wks Inc 1415 Harrison San Fran 3 Cal
Nat'l Brass Co Grand Rapids Mich
Newman Bros Inc 660 W 4th Cincinnati 3 Ohio
S Parker Hardware Mfg Co 27 Ludlow New York 2 N Y
Sharon Hdwe Mfg Co Sharon Pa
F P Smith Wire & Iron Wks 2346 N Clybourn Av Chgo
Southern Wire & Iron Wks 441 Memorial Dr S E Atlanta Ga
The Stanley Wks New Britain Conn (64)
A L Swett Iron Wks Medina NY

DOORS—access

Adams Co Dubuque Ia
Columbia Metal Box Co 260 E 143rd St New York 51 N Y
The Donley Bros Co 13928 Miles Av Cleveland 5 Ohio (221)
Harris Preble Fire Doors Inc 4608-14 W 20th Cicero 50 Ill
Knapp Bros Mfg Co Joliet Ill
Majestic Co Huntington Ind
Miami Cabinet Div of Philip Carey Co Middletown O
Michel & Pfeffer Iron Wks Inc 1415 Harrison San Fran 3 Cal
Milcor Steel Co Milwaukee 4 Wis (161)
Rock Island Sash & Door Wks Rock Island Ill
St Louis Fire Door Co St Louis 4 Mo
Segelke & Kohlhaus Co La Crosse Wis
Western Foundry Co Portland 1 Ore

DOORS—ash pit & clean-out

Adams Co Dubuque Ia
Bennett-Ireland Norwich N Y (196)
Ceco Steel Products Corp 5701 W 26th Chgo 50 Ill
Chattanooga Implement & Mfg Co Chattanooga 6 Tenn
H W Covert Co 339 E 48th NY NY
The Donley Bros Co 13928 Miles Av Cleveland 5 Ohio (221)
Excelsior Stove & Mfg Co Quincy Ill
Gabriel Steel Co Detroit 12 Mich
Heatilator Inc Syracuse N Y (137)
Kewanee Mfg Co Kewanee Ill
Logan Co Louisville Ky
Lookout Boiler & Mfg Co Chattanooga Tenn
Majestic Co Huntington Ind
Michel & Pfeffer Iron Wks Inc 1415 Harrison San Fran 3 Cal
Milcor Steel Co Milwaukee 4 Wis (161)
Peerless Mfg Co Louisville Ky
Portland Stove Fdry Co Portland Maine
Republic Steel Corp Berger Mfg Div Canton 5 Ohio
St Paul Foundry & Mfg Co St Paul 3 Minn
Sterling Fdry Co Sterling Ill
Superior Fireplace Co Los Angeles Cal (180)
A L Swett Iron Wks Medina N Y
U S Hdwe & Mfg Co Pawtucket R I
Western Fdry Co Portland 1 Ore
Wheeling Corrugating Co Wheeling W Va (42)

DOORS—cellar bulkhead

Bilco Mfg Co New Haven 6 Conn (184)

DOORS—coal

Adams Co Dubuque Ia
Consolidated Expanded Metal Cos Wheeling W Va
The Donley Bros Co 13928 Miles Av Cleveland 5 Ohio (221)
Majestic Co Huntington Ind
Michel & Pfeffer Iron Wks Inc 1415 Harrison San Fran 3 Cal
Truscon Steel Co Youngstown 1 O
United States Gypsum Co 300 W Adams Chgo Ill
Wheeling Corrugating Co Wheeling W Va (42)

DOORS—combination

Angel Novelty Co Fitchburg Mass
Anson & Gilkey Co Merrill Wis
Carr Adams & Collier Co Dubuque Ia (23)
Combination Door Co Fond Du Lac Wis
Continental Screen Co Detroit Mich
Curtis Cos Inc Clinton Ia (12)
Farley & Loetscher Mfg Co Dubuque Ia
Gregg & Son Nashua N H
Huttig Mfg Co Muscatine Iowa
Huttig Sash & Door Co St Louis Mo
Ideal Co Box 889 Waco Tex
The Long-Bell Lumber Co Kansas City 6 Mo
M & M Wood Working Co Resnprest Div 2301 N Columbia Portland 3 Ore
Marquart Millwork Co Oshkosh Wis (219)
Morgan Co Oshkosh Wis
Northern Wood Products Co Detroit 26 Mich (47)
Pacific Mutual Door Co Tacoma Wash (225)
Phenix Mfg Co Milwaukee Wis
Roach & Musser Co Muscatine Ia
Rock Island Sash & Door Wks Rock Island Ill
F E Schumacher Co Hartville Ohio
Segelke & Kohlhaus Co La Crosse Wis
George J Silbernagel S S Michigan Av Chgo 3 Ill (176)
West Coast Screen Co Los Angeles 1 Cal
White Pine Sash Co Spokane Wash

DOORS—Dry kiln

Cornell Iron Wks Inc 36th Av & 13th St Long Island City 1 N Y
Grand Rapids Vapor Kiln Inc Grand Rapids 2 Mich
Moore Dry Kiln Co P O Box 4248 Jacksonville 1 Fla (227)
Standard Dry Kiln Co P O Box 541 Indianapolis Ind

DOORS—fire

Cornell Iron Wks 36th Av & 13th Long Island City N Y
Harris Preble Fire Doors Inc 4608-14 W 20th Cicero 50 Ill
Hubdor Metal Prod Corp 461 E 147th St NY NY
Internat'l Fireproof Door Co 157 Walworth Brooklyn N Y
Mesker Bros Iron Co St Louis Mo
Metal Clad Doors Inc waltham Mass
Nat'l Kalamein Co Inc 418 Johnson Av Brooklyn N Y
Richards-Wilcox Mfg Co Aurora Ill
Richmond Engineering Co Inc Richmond Va
Roddis Lumber & Veneer Co Marshfield Wis
St Louis Fire Door Co St Louis Mo
Syracuse Fire Door Corp Syracuse N Y
U S Plywood Corp 55 W 44th NY NY (49)
Western Fdry Co Portland 1 Ore
Willis Steel Corp Galesburg Ill

DOORS—flush

American Plywood Corp New London Wis
C-W Plywood Co 9 S Clinton Chgo Ill
Carnahan Mfg Co Loogootee Ind
Carr Adams & Collier Co Dubuque Ia (23)
Cole Mfg Co P O Box 2657 Memphis 2 Tenn
W D Crooks & Sons Inc Williamsport Pa
Ideal Co Box 889 Waco Tex
M & M Wood Working Co Resnprest Div 2301 N Columbia Portland 3 Ore
The Mengel Co Inc Louisville Ky (49)
Morgan Co Oshkosh Wis
Paine Lbr Co Ltd Oshkosh Wis (158)
Rock Island Sash & Door Works Rock Island Ill
Roddis Lumber & Veneer Co Marshfield Wis
George J Silbernagel S S Michigan Av Chgo 3 Ill (176)
United States Plywood Corp 55 W 44th New York 18 N Y (49)
The Wheeler Osgood Co 1216 St Paul Av Tacoma 1 Wash

DOORS—garage, swing

Carr Adams & Collier Co Dubuque Ia (23)
Ceco Steel Products Corp 5701 W 26th Chgo 50 Ill
Cole Mfg Co P O Box 2657 Memphis 2 Tenn
Curtis Cos Inc Clinton Ia (12)
C-W Plywood Co 9 S Clinton Chgo 6 Ill
Farley & Loetscher Mfg Co Dubuque Ia
Frantz Mfg Co Sterling Ill (144)
Huttig Mfg Co Muscatine Ia
Ideal Co Box 889 Waco Tex
M & M Wood Working Co Resnprest Div 2301 N Columbia Portland 3 Ore
Marquart Millwork Co Oshkosh Wis (219)
Morgan Co Oshkosh Wis
Northwest Door Co Tacoma Wash
Richards Wilcox Mfg Co Aurora Ill
Roach & Musser Co Muscatine Ia
Robinson Mfg Co Box 904 Everett Wash
Rock Island Sash & Door Wks Rock Island Ill
Segelke & Kohlhaus Co La Crosse Wis
George J Silbernagel S S Michigan Av Chgo 3 Ill (176)
Strand Building Products Co Detroit 26 Mich
U S Plywood Corp 55 W 44th NY NY (49)
Wagner Mfg Co Cedar Falls Iowa
The Wheeler Osgood Co Tacoma 1 Wash

DOORS—glass

Carr Adams & Collier Co Dubuque Ia (23)
Libbey-Owens-Ford Glass Co Toledo O (9)
Morgan Co Oshkosh Wis
National Mirror Works Rockford Ill
Pittsburgh Plate Glass Co Pittsburgh Pa (17)
The Wheeler Osgood Co Tacoma 1 Wash

DOORS—hardwood

Anson & Gilkey Co Merrill Wis
American Plywood Corp New London Wis
Carr Adams & Collier Co Dubuque Ia (23)
W D Crooks & Sons Inc Williamsport Pa
Curtis Cos Inc Clinton Ia (12)
Farley & Loetscher Mfg Co Dubuque Ia
Harbor Plywood Corp Hoquiam Wash
Huttig Mfg Co Muscatine Ia
Huttig Sash & Door Co St Louis Mo
M & M Wood Working Co Resnprest Div 2301 N Columbia Portland 3 Ore
The Mengel Co Inc Louisville Ky (49)
Morgan Co Oshkosh Wis

Number in parenthesis indicates page on which advertisement appears

Paine Lumber Co Ltd Oshkosh Wis (158)
Roach & Musser Co Muscatine Ia
Rock Island Sash & Door Wks Rock Island Ill
Roddis Lumber & Veneer Co Marshfield Wis
Segelke & Kohlhaus Co La Crosse Wis
George J. Silbernagel S S Michigan Av Chgo 3 Ill (176)
United States Plywood Corp 55 W 44th New York 18 N Y (49)
West Coast Plywood Corp Aberdeen Wash (154)
The Wheeler Osgood Co Tacoma 1 Wash

DOORS—laundry chute

Carr Adams & Collier Co Dubuque Ia (23)
Gabriel Steel Co Detroit 12 Mich
Majestic Co Huntington Ind
Morgan Co Oshkosh Wis

DOORS—overhead type

Berry Door Co Wayne Mich (44-45)
Barber-Colman Co Rockford Ill
Butler Products Co 1013 W Washington Blvd Chicago 7 Ill
Carr Adams & Collier Co Dubuque Ia (23)
Clark Door Co Inc Newark 8 N J
Cole Mfg Co P O Box 2657 Memphis 2 Tenn
Crawford Door Co Detroit Mich
Curtis Cos Inc Clinton Ia (12)
Farley & Loetscher Mfg Co Dubuque Ia
Frantz Mfg Co Sterling Ill (144)
Hallack & Howard Lbr Co Denver Colo
Harbor Plywood Corp Hoquiam Wash
Holmes Mfg Co Los Angeles Cal
The Howell Manufacturing Co Cottman & Hasbrook Av Phil 11 Pa
M & M Wood Working Co Resnprest Div 2301 N Columbia Portland 3 Ore
McKee Door Co Aurora Ill
Northwest Door Co Tacoma 1 Wash
Overhead Door Co Hartford City Ind
Phenix Mfg Co Inc Milwaukee 12 Wis
Richards-Wilcox Mfg Co Aurora Ill
Roach & Musser Co Muscatine Ia
Robinson Mfg Co Box 904 Everett Wash
Rowe Mfg Co Galesburg Ill
George J. Silbernagel S S Michigan Av Chgo 3 Ill (176)
The Stanley Wks New Britain Conn (64)
Starline Inc Harvard Ill
Strand Building Prod Co Detroit 26 Mich
Truscon Steel Co Youngstown Ohio
U S Plywood Corp 55 W 44th NY NY (49)
Wagner Mfg Co Cedar Falls Iowa
The Wheeler Osgood Co Tacoma 1 Wash
Wilson Foundry & Machine Co Pontiac Mich
J G Wilson Corp 370 Lexington Av NY 17 NY

DOORS—plywood

American Plywood Corp New London Wis
Buffelen Lumber & Mfg Co Tacoma Wash
C-W Plywood Co 9 S Clinton Chgo Ill
Cole Mfg Co P O Box 2657 Memphis 2 Tenn
Frost Veneer & Plywood Co Inc Sheboygan Wis
Harbor Plywood Corp Hoquiam Wash
Huttig Sash & Door Co St Louis Mo
M & M Wood Working Co Resnprest Div 2301 N Columbia Portland 3 Ore
The Mengel Co Inc Louisville Ky (49)
Northwest Door Co Tacoma Wash
Pacific Mutual Door Co Tacoma Wash (225)
Paine Lbr Co Ltd Oshkosh Wis (158)
Pearl City Plywood Co Inc Jamestown NY
Roddis Lumber & Veneer Co Marshfield Wis
U S Plywood Corp 55 W 44th NY NY (49)
The Wheeler Osgood Co Tacoma 1 Wash

DOORS—screen

Angel Novelty Co Fitchburg Mass
Anson & Gilkey Co Merrill Wis
Carr Adams & Collier Co Dubuque Ia (23)
Cole Mfg Co P O Box 2657 Memphis 2 Tenn
Continental Screen Co Detroit 26 Mich
Curtis Cos Inc Clinton Ia (12)
W J Dennis & Co 1732 N Kolmar Av Chgo Ill
Farley & Loetscher Mfg Co Dubuque Ia
Gregg & Son Nashua N H
Harbor Plywood Corp Hoquiam Wash
Hope's Windows Inc Jamestown N Y
Huttig Mfg Co Muscatine Ia
Ideal Co Box 889 Waco Tex
The Long-Bell Lumber Co Kansas City 6 Mo
Marquart Millwork Co Oshkosh Wis (219)
Morgan Co Oshkosh Wis
National Screen Co Suffolk Va
Northwest Door Co Tacoma Wash
Orange Screen Co Maplewood N J
Phenix Mfg Co Inc Milkaukee 12 Wis
Roach & Musser Co Muscatine Ia
Robinson Mfg Co Everett Wash
Royal Glass Works Corp 50-20 25th Long Island City 1 N Y
F E Schumacher Co Hartville O
Segelke & Kohlhaus Co La Crosse Wis
Geo J Silbernagel S S Michigan Av Chgo Ill (176)
West Coast Screen Co Los Angeles 1 Cal
White Pine Sash Co Spokane Wash

DOORS—shower, glass panel

The Kawneer Co Niles Mich
Michel & Pfeffer Iron Wks Inc 1415 Harrison San Fran 3 Cal
Milwaukee Stamping Co Milwaukee 14 Wis (140)
Pittsburgh Plate Glass Co 2000 Grant Bldg Pittsburgh 19 Pa (17)
Zahner Mfg Co Kansas City Mo

DOORS—softwood

Anson & Gilkey Co Merrill Wis
Carr Adams & Collier Co Dubuque Ia (23)
Cole Mfg Co P O Box 2657 Memphis 2 Tenn
Curtis Cos Inc Clinton Ia (12)
Farley & Loetscher Mfg Co Dubuque Ia
Fir Door Institute. Tacoma 2 Wash (169)
Gregg & Son Nashua N H
Hallack & Howard Lbr Co Denver Colo
Harbor Plywood Corp Hoquiam Wash
Huttig Mfg Co Muscatine Ia
Huttig Sash & Door Co St Louis Mo
Ideal Co Box 889 Waco Tex
Long-Bell Lbr Co Kansas City Mo
M & M Wood Working Co Resnprest Div 2301 N Columbia Portland 3 Ore
Marquart Millwork Co Oshkosh Wis (219)
Morgan Co Oshkosh Wis
Northwest Door Co Tacoma Wash
Pacific Mutual Door Co Tacoma Wash (225)
The Radford Co Oshkosh Wis
Roach & Musser Co Muscatine Ia
Robinson Mfg Co Everett Wash
Rock Island Sash & Door Wks Rock Island Ill
Royal Glass Works Corp 50-20 25th Long Island City 1 N Y
Segelke & Kohlhaus Co La Crosse Wis
Geo J Silbernagel S S Michigan Av Chgo Ill (176)
Simpson Industries Inc Seattle Wash
U S Plywood Corp 55 W 44th NY NY (49)
West Coast Plywood Corp Aberdeen Wash (154)
Weyerhaeuser Sales Co St Paul Minn
The Wheeler Osgood Co Tacoma 1 Wash

DOORS—sidewalk

Bilco Mfg Co New Haven 6 Conn (184)

DOORS—steel

Adams Co Dubuque Ia
Ceco Steel Products Corp 5701 W 26th Chgo 50 Ill
Cornell Iron Wks Inc 36th Av & 13th Long Island City 1 N Y
Crittall-Federal Inc Waukesha Wis
Detroit Steel Prods Co Detroit Mich
Decatur Iron & Steel Co Decatur Ala
The Edwards Mfg Co Cincinnati 2 Ohio (160)
Harris Preble Fire Doors Inc 4608-14 W 20th Cicero 50 Ill
Hope's Windows Inc Jamestown N Y
The Kawneer Co Niles Mich (metal)
Kinnear Mfg Co Columbus O
Mesker Bros 433 S 7th St Louis Mo
Michael Flynn Mfg Co 2247 E Allegheny Av Philadelphia 34 Pa
Milwaukee Stamping Co Milwaukee 14 Wis (140)
Republic Steel Corp Cleveland 1 Ohio
Richards-Wilcox Mfg Co Aurora Ill
St Louis Fire Door Co St Louis 4 Mo
St Paul Foundry & Mfg Co St Paul 3 Minn
Soule Steel Co San Francisco 24 Cal
Southern Wire & Iron Wks 441 Memorial Dr S E Atlanta Ga
Stewart Iron Wks Co Inc Cincinnati O
Truscon Steel Co Youngstown O

DOORS—storm

Angel Novelty Co Fitchburg Mass
Anson & Gilkey Co Merrill Wis
Carr Adams & Collier Co Dubuque Ia (23)
Curtis Cos Inc Clinton Ia (12)
Farley & Loetscher Mfg Co Dubuque Ia
Gregg & Son Nashua N H
Hallack & Howard Lbr Co Denver Colo
Huttig Mfg Co Muscatine Ia
Huttig Sash & Door Co St Louis Mo
The Long-Bell Lumber Co Kansas City 6 Mo
Marquart Millwork Co Oshkosh Wis (219)
Morgan Co Oshkosh Wis
Northern Wood Products Co Detroit 26 Mich (47)
Northwest Door Co Tacoma Wash
Phenix Mfg Co Milwaukee Wis
Radford Co Oshkosh Wis
Roach & Musser Co Muscatine Ia
Rock Island Sash & Door Wks Rock Island Ill
Segelke & Kohlhaus Co La Crosse Wis
Geo J Silbernagel S S Michigan Av Chgo Ill (176)
Western Pine Mfg Co Spokane Wash (204)
Weyerhaeuser Sales Co St Paul Minn
The Wheeler Osgood Co Tacoma 1 Wash
White Pine Sash Co Spokane Wash

DOORS—wood, cabinet & cupboard

Aetna Plywood & Veneer 1732 N Elston Av Chgo Ill (214)
American Plywood Corp New London Wis
Anson & Gilkey Co Merrill Wis
Carr Adams & Collier Co Dubuque Ia (23)
C-W Plywood Co 9 S Clinton Chgo Ill
Cole Mfg Co P O Box 2657 Memphis 2 Tenn
Curtis Cos Inc Clinton Ia (12)
Farley & Loetscher Mfg Co Dubuque Ia
Gregg & Son Nashua N H
Hallack & Howard Lbr Co Denver Colo
Harbor Plywood Corp Hoquiam Wash
Huttig Mfg Co Muscatine Ia
Huttig Sash & Door Co St Louis Mo
Ideal Co Box 889 Waco Tex
The Long-Bell Lumber Co Kansas City 6 Mo
M & M Wood Working Co Resnprest Div 2301 N Columbia Portland 3 Ore
Morgan Co Oshkosh Wis
Northwest Door Co Tacoma Wash
Pacific Mutual Door Co Tacoma Wash (225)
Paine Lbr Co Ltd Oshkosh Wis (158)
Pearl City Plywood Co Inc Jamestown NY
Phenix Mfg Co Milwaukee Wis
The Radford Co Oshkosh Wis
Roach & Musser Co Muscatine Ia
Rock Island Sash & Door Wks Rock Island Ill
Roddis Lumber & Veneer Co Marshfield Wis
Segelke & Kohlhaus Co La Crosse Wis
Geo J Silbernagel S S Michigan Av Chgo 11 Ill (176)
U S Plywood Corp 55 W 44th NY NY (49)
The Wheeler Osgood Co Tacoma 1 Wash

DOWELS—wood

American Fork & Hoe Co Cleveland O
Cole Mfg Co P O Box 2657 Memphis 2 Tenn
W J Dennis & Co 1732 N Kolmar Av Chgo Ill
Despres Dowel Mfg Co Grand Rapids Mich
Englewood Dowel Co 222 W North Bank Dr Chgo Ill
Fordyce-Crossett Sales Co Fordyce Ark
Grand Rapids Dowel Wks Grand Rapids Mich
Edw Hines Lbr Co 77 W Washington Chgo Ill (209)
Holt Hardwood Co Oconto Wis (146)
G F League Lumber Co Box 125 Greenville S C (236)
McMinnville Handle Co McMinnville Tenn
Harry Meyer Wood Prod 1654 W Hubbard Chgo 1 Ill

Number in parenthesis indicates page on which advertisement appears

Nashotah Moulding & Mfg Co Nashotah Wis
Rock Island Sash & Door Wks Rock Island Ill
George J Sibernagel S S Michigan Av Chgo 3 Ill (176)
South Bend Dowel Wks South Bend Ind
The Wellman Products Co Cleveland 3 Ohio

DRAFTING SUPPLIES

Eugene Dietzgen Co 2425 N Sheffield Av Chgo Ill
Chas M Higgins & Co 271 9th Brooklyn N Y
Keuffel & Esser Co Hoboken N J
Frederick Post Co 155 E Ohio Chgo Ill
Warren Knight Co Philadelphia 7 Pa
The Wellman Products Co Cleveland 3 Ohio

DRESSERS—grinding wheel

E C Atkins & Co Indianapolis Ind
Calder Mfg Co Lancaster Pa
Collmer Bros South Bend Ind
Hanchett Mfg Co Big Rapids Mich
Desmond-Stephan Mfg Co Urbana O
Ideal Industries Inc Sycamore Ill
Sandvik Saw & Tool Corp 47 Warren NY NY
Southington Hdwe Mfg Co Southington Conn
Standard Tool Co Cleveland O
Vincent Steel Process Co Detroit Mich
Western Tool & Mfg Co Springfield O
Wisconsin Abrasive Co Milwaukee 11 Wis

DRILL PRESSES

Boice Crane Co Toledo 6 O
Delta Mfg Co Milwaukee Wis
Walker-Turner Co Inc Plainfield N J
The Wellman Products Co Cleveland 3 Ohio
Yates-American Machine Co Beloit Wis

DRILLS—masonry

Brunner & Lay Co 727 S Jefferson Chgo Ill
Cincinnati Tool Co Cincinnati O
Chicago Expansion Bolt Co 2240 W Ogden Av Chgo 12 Ill
Damascus Steel Prod Corp Rockford Ill
Hubbard & Co 6301 Butler St Pittsburgh 1 Pa
Kraeuter & Co Newark N J
Mayhew Steel Products Inc Shelburne Falls Mass
Oxford Tool Co Philadelphia 22 Pa
Paine Co 2951 Carroll Av Chgo 12 Ill Ill
Phillips Drill Co 4700 W 5th Av Chgo Ill
Plomb Tool Co Los Angeles Cal
Rawplug Co Inc 94-95 Lafayette NY 13 NY
Red Devil Tools Irvington 11 NJ (139)
Rainey-Tools Grove City Pa
Sullivan Machinery Co Michigan City Ind
U S Expansion Bolt Co Inc York Pa
Vulcan Tool Mfg Co Quincy Mass
Wodack Electric Tool Corp 4627 W Huron Chgo 44 Ill

DRILLS—portable electric

Black & Decker Mfg Co Towson 4 Md
Chicago Wheel & Mfg Co Dept EE 1101 W Monroe St Chgo Ill
Cincinnati Electrical Tool Co Cincinnati O
Jas Clark Jr Electric Co Inc Louisville Ky
Hisey-Wolf Mach Co Cincinnati O
Independent Pneumatic Tool Co 600 W Jackson Chgo 6 Ill
Louisville Electric Mfg Co Louisville Ky
Mall Tool Co 7733 S Chicago Av Chgo Ill (51)
Millers Falls Co Greenfield Mass
Milwaukee Electric Tool Corp Milwaukee Wis
Misener Mfg Co Inc Syracuse N Y
Schauer Machine Co Cincinnati O
Signal Electric Mfg Co Menominee Mich
Skilsaw Inc 5033 N Elston Av Chgo Ill (232)
Speedway Mfg Co 1834 S 52nd Av Cicero Ill
Stanley Electric Tools 111 Elm New Britain Conn (64)
Syntron Co Homer City Pa
U S Electrical Tool Co Cincinnati 14 O
The Wellman Products Co Cleveland 3 Ohio
Wodack Electric Tool Corp 4627 W Huron Chgo Ill

DRIVE CONVERSIONS—truck wheel

Marmon Herrington Co Inc 1511 W Washington Indianapolis 7 Ind

DRIVERS—glazier

Austin & Eddy Inc Boston 4 Mass
Fletcher Terry Co Forestville Conn (160)
Markwell Mfg Co Inc 200 Hudson NY NY
Red Devil Tools Irvington 11 NJ (139)

DRUMS—hoisting

Clyde Iron Works Inc Duluth 1 Minn
The Filer & Stowell Co Milwaukee 7 Wis
Hyster Co Portland 8 Ore
Prescott Co Menominee Mich
Washington Iron Works Seattle 4 Wash
Western Foundry Co Portland 1 Ore

DRYERS—basket

Moore Dry Kiln Co P O Box 4248 Jacksonville 1 Fla (227)

DRYERS—panel

Detroit Sheet Mtl Wks Detroit Mich
Moore Dry Kiln Co P O Box 4248 Jacksonville 1 Fla (227)

DRYERS—veneer

Moore Dry Kiln Co P O Box 4248 Jacksonville 1 Fla (227)

DRY KILNS

Grand Rapids Vapor Kiln Inc Grand Rapids 2 Mich
Moore Dry Kiln Co P O Box 4248 Jacksonville 1 Fla (227)
Perfection Dry Kiln Inc Box 453 Jamestown N Y
Richmond Engineering Co Inc Richmond Va
Standard Dry Kiln Co P O Box 541 Indianapolis Ind
B F Sturtevant Co Hyde Park Boston 36 Mass

DUST COLLECTING SYSTEMS

Allington & Curtis Mfg Co Saginaw Mich
American Blower Corp Detroit 32 Mich
American Foundry Equipment Co Mishawaka Ind
The C O Bartlett & Snow Co 6200 Harvard Av Cleveland 5 Ohio
Corinth Machinery Co Corinth Miss (171)
Detroit Sheet Mtl Wks Detroit Mich
Houston Blow Pipe & Sht Met Wks Houston Tex (172-173)
Kirk & Blum Mfg Co Cincinnati O
St Louis Blow Pipe & Heater Co St Louis Mo
B F Sturtevant Co Hyde Park Boston 36 Mass

EAVES TROUGHS

The Edwards Mfg Co Cincinnati 2 Ohio (160)
Klauer Mfg Co Dubuque Iowa
LaCrosse Steel Roofing & Corrugating Co LaCrosse Wis
Lyon Conklin & Co Baltimore 30 Md
Milcor Steel Co Milwaukee 4 Wis (161)
Northwest Metal Prod Inc Seattle 4 Wash
Reeves Steel & Mfg Co Dover Ohio
Republic Steel Corp Cleveland 1 Ohio
St Paul Corrugating Co St Paul Minn
Wheeling Corrugating Co Wheeling W Va (42)
Williams-Wallace Co San Francisco 7 Cal

EDGERS—sawmill

Allis Chalmers Mfg Co Milwaukee Wis (152)
American Saw Mill Mach Co Hackettstown N J (218)
Corinth Machinery Co Corinth Miss (171)
Corley Mfg Co Chattanooga 1 Tenn (174)
The Filer & Stowell Co Milwaukee 7 Wis
Frick Co Waynesboro Penna
Gordon Hollow Blast Grate Co Greenville Mich
R R Howell Co Minneapolis 14 Minn
Miner Edger Works Meridian Miss
Prescott Co Menominee Mich

ENAMEL

Acme White Lead & Color Wks 8250 St Aubin Av Detroit 11 Mich
Alabastine Paint Prod Grand Rapids Mich
American Marietta Co 43 E Ohio Chgo 11 Ill
Atlantic Varnish & Paint Co Inc P O Box 474 Richmond Va
Baker Paint & Varnish Co Jersey City N J
Berry Bros Inc Detroit 7 Mich
Boston Varnish Co Boston 49 Mass (33)
Breinig Brothers Inc 1st & Harrison Hoboken N J
The A Burdsal Co Indianapolis 9 Ind
Calbar Paint & Varnish Co 2612 N Martha Phil 25 Pa
Central Paint & Varnish Wks Brooklyn N Y
Chicago Paints Inc 4500 W 14th Chgo Ill
Chi-Namel Paint & Varnish Co Minneapolis Minn
Cook Paint & Varnish Co Kansas City Mo
Devoe & Raynolds Co Inc 787 1st Av NY NY (183)
E I Dupont de Nemours & Co Inc Wilmington Del (177)
Elliott Paint & Varnish Co 4525 Fifth Av Chgo Ill
Felton Sibley & Co Inc 136 N 4th Philadelphia 6 Pa
Glidden Co Cleveland O
A C Horn Co 43-42 Tenth Long Island City 1 NY
Indiana Indestructible Paint Co 4124 Parker Av Chgo Ill
Jewel Paint & Varnish Co 345 N Western Av Chgo Ill
S C Johnson & Son Inc Racine Wis
R F Johnston Paint Co Cincinnati O
Keystone Varnish Co 71 Otsego St Brooklyn 31 N Y
Lowe Bros Co Dayton O (30-31)
John Lucas & Co Philadelphia Pa
Martin-Senour Co 2540 Quarry Chgo Ill
John W Masury & Son Inc Baltimore Md
Benjamin Moore & Co 511 Canal NY 13 NY
Murphy Paint Div Interchemical Corp Newark 1 N J
O'Brien Varnish Co South Bend Ind (187)
The Paraffine Companies Inc 475 Brannan St San Francisco 19 Cal
Patterson Sargent Co Cleveland 14 O
Peaslee-Gaulbert Paint & Varnish Corp Louisville Ky
Pecora Paint Co Inc Philadelphia Pa
Pittsburgh Plate Glass Co 2000 Grant Bldg Pittsburgh 19 Pa (43)
Pratt & Lambert Inc 75 Tonawanda Buffalo 7 NY
Republic Creosoting Co Indianapolis 4 Ind
Sargent-Gerke Co Indianapolis 6 Ind
Sherwin Williams Co Cleveland O (39)
L Sonneborn Sons Inc 88 Lexington Av NY 16 NY
Steelcote Mfg Co 3418 Gratoit St Louis 3 Mo (156)
The Sullivan Co Memphis 2 Tenn (234)
Truscon Laboratories Detroit Mich
20th Century Paint & Varnish Co 30 Roebing Brooklyn N Y
U S Gutta Percha Paint Co Dept 19 Dudley & Eddy Providence 1 R I
Valentine & Co Inc 11 E 36th NY 16 NY
Vita-Var Corp Newark N J (350)
Wadsworth Howland & Co 141 Federal Boston Mass
Wilbur & Williams Co Boston Mass

ENGINES—diesel

Buda Co Harvey Ill
Caterpillar Tractor Co Peoria Ill
Cleveland Diesel Engine Div General Motors Corp Cleveland 11 Ohio
Cummins Engine Co Columbus Ind
Fairbanks Morse & Co 600 S Michigan Av Chgo Ill (29)
Hill Diesel Engine Co Lansing Mich
Ingersoll-Rand Co 11 Bdway NY NY
International Harvester Co 180 N Michigan Chgo Ill
Washington Iron Works Seattle 4 Wash
Waukesha Motor Co Waukesha Wis
Witte Engine Works Div of Oil Well Supply Co Kansas City 3 Mo
Worthington Pump & Mach Corp Harrison N J

ENGINES—gasoline

Aermotor Co 2500 Roosevelt Rd Chgo Ill
Allis-Chalmers Mfg Co Milwaukee 1 Wis (152)
Briggs & Stratton Corp Milwaukee Wis
Buda Co Harvey Ill
John Deere Tractor Co Waterloo Ia

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Fairbanks Morse & Co 600 S Michigan Av Chgo Ill (29)
Fuller & Johnson Mfg Co Madison Wis
Homelite Corp Port Chester N Y
Internat'l Harvester Co Inc 180 N Michigan Av Chgo Ill
Jacobson Mfg Co Racine Wis
Lauson Co New Holstein Wis
Nova Engine Co Lansing Mich
Universal Motor Co Oshkosh Wis
Willys-Overland Motors Inc Toledo 10 O
Witte Engine Works Div of Oil Well Supply Co Kansas City 3 Mo

ENGINES—steam

Corinth Machinery Co Corinth Miss (171)
A B Farquhar Co York Pa
The Filer & Stowell Co Milwaukee 7 Wis
Prescott Co Menominee Mich
Washington Iron Works Seattle 4 Wash

FANS—attic

Airmaster Corp 4317 Ravenswood Av Chgo Ill
American Blower Corp Detroit Mich
Brower Mfg Co Quincy Ill
Buffalo Forge Co Buffalo N Y
Champion Blower & Forge Co Lancaster Pa
Connecticut Blower Co P O Box 884 Hartford 1 Conn
Diehl Mfg Co 1124 Finderne Av Somerville N J
Emerson Electric Mfg Co St Louis Mo
General Electric Co Apparatus & Merch Dept Bridgeport Conn
Ilg Electric Ventilating Co 2850 N Crawford Av Chgo Ill
Internat'l Engineering Inc Dayton O
Johnson Fan & Blower Corp 1319 W Lake Chgo Ill
The Herman Nelson Corp 540 N Michigan Chgo Ill
Robbins & Myers Inc Springfield Ohio
Signal Electric Mfg Co Menominee Mich
B F Sturtevant Co Hyde Park Boston 36 Mass
Universal Blower Co Birmingham Mich
Viking Air Conditioning Corp Cleveland O
Edgar T Ward Co Inc River Forest Ill
Westinghouse Elec & Mfg Co 306 Fourth Av Pittsburgh 30 Pa

FANS—dry kiln

Champion Blower & Forge Co Lancaster Pa
Clarage Fan Co Kalamazoo 16 Mich
Grand Rapids Vapor Kiln Inc Grand Rapids 2 Mich
International Engineering Inc Dayton 1 Ohio
Moore Dry Kiln Co P O Box 4248 Jacksonville 1 Fla (227)
Standard Dry Kiln Co P O Box 541 Indianapolis Ind
B F Sturtevant Co Hyde Park Boston 36 Mass
Trane Co La Crosse Wis

FANS—industrial

Allington & Curtis Mfg Co Saginaw
American Blower Corp Detroit Mich
Bauer Bros Co Springfield Ohio
Buffalo Forge Co Buffalo N Y
Champion Blower & Forge Co Lancaster Pa
Clarage Fan Co Kalamazoo 16 Mich
Connecticut Blower Co P O Box 884 Hartford 1 Conn
Emerson Electric Mfg Co St Louis 3 Mo
Houston Blow Pipe & Sht Met Wks Houston Tex (172-173)
Ilg Electric Ventilating Co 2850 N Crawford Av Chgo 41 Ill
Jacksonville Blow Pipe Co Jacksonville Fla
The Herman Nelson Corp 540 N Michigan Chgo Ill
Robbins & Myers Inc Springfield O
B F Sturtevant Co Hyde Park Boston 36 Mass
Trane Co La Crosse Wis
Edgar T Ward Co Inc 7777 W Lake River Forest Ill

FANS—wall & ceiling

American Blower Corp Detroit Mich
Buffalo Forge Co Buffalo N Y
Connecticut Blower Co P O Box 884 Hartford 1 Conn
Delco Appliance Div General Motors Sales Corp Rochester N Y
Diehl Mfg Co 1124 Finderne Av Somerville N J
Emerson Elec Mfg Co St Louis Mo
General Electric Co Apparatus & Merch Dept Bridgeport Conn
Ilg Electric Ventilating Co 2850 N Crawford Av Chicago 41 Ill
The Herman Nelson Corp 540 N Michigan Chgo Ill
Pryne & Co Inc Los Angeles 54 Cal
Reynolds Electric Co 2650 W Congress Chgo 12 Ill
Robbins & Myers Inc Springfield Ohio
Samson-United Corp Rochester N Y
Signal Elec Mfg Co Menominee Mich
F A Smith Mfg Co Inc Rochester 2 N Y
Spartan Electric Co Rochester 2 N Y (wall only)
B F Sturtevant Co Hyde Park Boston 36 Mass
Tennessee Valley Associates Inc Nashville 3 Tenn
Trane Co La Crosse Wis
Vent-A-Hood Co Dallas 1 Tex
Victor Elec Prod Inc Cincinnati O
Edgar T Ward Co Inc 7777 W Lake River Forest Ill
Westinghouse Elec & Mfg Co 306 Fourth Av Pittsburgh 30 Pa

FASTENERS—corrugated steel

Acme Steel Co 2840 S Archer Av Chgo 8 Ill
Austin & Eddy Inc Boston 4 Mass
Columbia Steel Co San Francisco Cal (165)
Fiwale Equipment Mfg Co 165 Church NY 7 NY
Knape & Vogt Mfg Co Grand Rapids Mich
Republic Steel Corp Berger Mfg Div Canton 5 Ohio
The Stanley Wks New Britain Conn (64)
St Paul Corrugating Co St Paul Minn
Superior Fastener Co 2949 Elston Av Chgo Ill (not corrugated)

FASTENERS—door chain

Champion Hdwe Co Geneva O
P & F Corbin New Britain Conn (201)
Griffin Mfg Co Erie Pa
Lockwood Hdwe Mfg Co Fitchburg Mass (163)
McKinney Mfg Co Pittsburgh 12 Pa (197)
National Brass Co Grand Rapids Mich
Norwalk Lock Co 395 Broadway NY 13 NY
Safe Padlock & Hdwe Co Lancaster Pa
Sager Lock Works Div of the Yale & Towne Mfg Co North Chicago Ill
Sargent & Co New Haven Conn
Shelby Spring Hinge Co Shelby Ohio
Slaymaker Lock Co Lancaster Pa
Yale & Towne Mfg Co Stamford Conn

FEEDS—belt, sawmill

Allis Chalmers Mfg Co Milwaukee Wis (152)
Corley Mfg Co Chattanooga 1 Tenn (174)
Kent Machine Co Cuyahoga Falls Ohio (218)

FELT—asphalt roofing

American Asphalt Roof Corp Kansas City Mo
Barrett Div Allied Chem & Dye Corp 40 Rector NY NY (38)
Bird & Son E Walpole Mass
Philip Carey Mfg Co Cincinnati 15 O
Certain-teed Prod Corp 120 S La Salle Chgo 3 Ill (60)
Flintkote Co 30 Rockefeller Plaza NY NY (10)
Ford Roofing Products Co 111 W Washington Chgo 2 Ill
Globe Roofing Prod Co Inc Whiting Ind
Koppers Co Pittsburgh Pa
Lehon Co 4425 S Oakley Ave Chgo Ill
Johns-Manville Corp 22 E 40th NY 16 NY (62-63)
Jones & Brown Inc Pittsburgh Pa
B F Nelson Mfg Co Minneapolis 13 Minn
The Paraffine Companies Inc 475 Brannan St San Francisco 19 Cal
Reilly Tar & Felt Co Indianapolis Ind
The Ruberoid Co 500 Fifth Av NY 18 NY
The Texas Co 135 E 42nd NY NY (159)
U S Gypsum Co 300 W Adams Chgo 6 Ill

FENCE—barbed wire

American Steel & Wire Co Cleveland O (165)
Ceco Steel Products Corp 5701 W 26th Chgo 50 Ill
Century Fence Co Waukesha Wis
Columbia Steel Co Russ Bldg San Fran 6 Cal (165)
Continental Steel Corp Kokomo Ind
Copperweld Steel Co Glassport Pa
Keystone Steel & Wire Co Peoria Ill
Mid-States Steel & Wire Co Crawfordsville Ind
Northwestern Steel & Wire Co Sterling Ill
Pittsburgh Steel Co Pittsburgh Pa
Republic Steel Corp Cleveland 1 Ohio
Tennessee Coal Iron & R R Co Birmingham Ala (165)
Wheeling Corrugating Co Wheeling W Va (42)

FENCE—chain link

American Chain Link Fence Co Medford Mass
American Steel & Wire Co Cleveland O (165)
Anchor Post Fence Co Baltimore 24 Md
Atlas Fence Co Philadelphia Pa
Century Fence Co Waukesha Wis
Chain Link Fence Corp 1629 W 31st Chgo Ill
Cincinnati Iron Fence Co Inc Cincinnati 6 Ohio
Continental Steel Corp Kokomo Ind
Copperweld Steel Co Glassport Pa
Interlocking Fence Co Morton Ill
Page Steel & Wire Div American Chain & Cable Co Inc Monessen Pa
Pittsburgh Steel Co Pittsburgh Pa
Robertson Steel & Iron Co Cincinnati O
F P Smith Wire & Iron Wks 2342 Clybourn Av Chgo Ill
Stewart Iron Wks Co Inc Cincinnati 1 O
Wickwire Spencer Steel A Div of The Colorado Fuel & Iron Corp 500 Fifth Av New York 18 N Y (66)

FENCE—snow

Capitol Fence Co 735 N Water Milwaukee Wis
E S Gaynor Sioux City 1 Ia
L L Hutchinson Pavilian N Y
Illinois Wire & Mfg Co Joliet Ill
Mattson Wire & Mfg Co Inc Joliet Ill
Nebraska Bridge Supply & Lumber Co Omaha 5 Neb
New Jersey Fence Co Burlington N J
Wheeler-Arnold Co Wittenberg Wis

FENCE—steel lawn

American Chain Link Fence Co Medford Mass
American Steel & Wire Co Cleveland O (165)
Anchor Post Fence Co Baltimore Md
Century Fence Co Waukesha Wis
Chain-Link Fence Corp 1629 W 31st Chgo Ill
Cincinnati Iron Fence Co Inc Cincinnati 6 Ohio
Columbia Steel Co Russ Bldg San Fran 6 Cal (165)
Continental Steel Corp Kokomo Ind
Cyclone Fence Div American Steel & Wire Co P O Box 260 Waukegan 1 Ill
Davis & Siehl Co Cincinnati O
Keystone Steel & Wire Co Peoria Ill
Mid-States Steel & Wire Co Crawfordsville Ind
Northwestern Steel & Wire Co Sterling Ill
Pittsburgh Steel Co Pittsburgh Pa
Republic Steel Corp Berger Mfg Div Canton 5 Ohio
Sheffield Steel Corp Kansas City Mo
F P Smith Wire & Iron Wks 2346 Clybourn Av Chgo Ill
Stewart Iron Wks Co Inc Cincinnati O
Tennessee Coal Iron & R R Co Birmingham 2 Ala (165)
Wheeling Corrugating Co Wheeling W Va (42)
Wickwire Spencer Steel A Div of The Colorado Fuel & Iron Corp 500 Fifth Av New York 18 N Y (66)

FENCE—wood picket

Atlas Fence Co Philadelphia Pa
Capitol Fence Co 735 N Water Milwaukee Wis
Century Fence Co Waukesha Wis
Collison Fence Co Orange N J
The Davis & Siehl Co Cincinnati 23 O
Dubois-Reeves Fences Inc Bergen N J
Fence Co of America 608 S Dearborn Chgo 5 Ill (25)
Fordyce-Crossett Sales Co Fordyce Ark
E S Gaynor Sioux City 1 Ia
Illinois Wire & Mfg Co Joliet Ill
Mattson Wire & Mfg Co Joliet Ill
Mutual Fir Column Co Tacoma Wash

Number in parenthesis indicates page on which advertisement appears

Nebraska Bridge Supply & Lumber Co Omaha 5 Neb
Redwood Garden Materials Co Los Angeles 21 Cal
Rock Island Sash & Door Works Rock Island Ill
Rowe Mfg Co Galesburg Ill

FENCE—woven wire

American Steel & Wire Co Cleveland O (165)
Atlas Fence Co Philadelphia 34 Pa
Bethlehem Steel Co Bethlehem Pa
Ceco Steel Products Corp 5701 W 26th Chicago 50 Ill
Century Fence Co Waukesha Wis
Colorado Fuel & Iron Corp Denver Colo
Columbia Steel Co Russ Bldg San Fran 6 Cal (165)
Continental Steel Corp Kokomo Ind
Copperweld Steel Co Glassport Pa
Gilbert & Bennett Mfg Co Blue Island Ill
Jones & Laughlin Steel Corp Pittsburgh Pa
Keystone Steel & Wire Co Peoria Ill
Mid-States Steel & Wire Co Crawfordsville Ind
Northwestern Steel & Wire Co Sterling Ill
Pittsburgh Steel Co Pittsburgh Pa
Republic Steel Corp Cleveland 1 Ohio
Sheffield Steel Corp Kansas City Mo
Southern Wire & Iron Wks 441 Memorial Dr S E Atlanta Ga
Standard Fence Co Oakland Cal
Tennessee Coal Iron & R R Co Birmingham Ala (165)
Wheeling Corrugating Co Wheeling W Va (42)
Wickwire Bros Inc Cortland N Y (158)
Wickwire Spencer Steel A Div of The Colorado Fuel & Iron Corp 500 Fifth Av New York 18 N Y (66)

FILERS—saw, band, circular, etc.

E C Atkins Co Indianapolis Ind
Hanchett Mfg Co Big Rapids Mich
Henry Disston & Sons Inc Tacony Philadelphia 35 Pa
The Filer & Stowell Co Milwaukee 7 Wis
Foley Mfg Co Minneapolis Minn
Yates-American Mach Co Beloit Wis

FILES

Chelsea File Wks Norwich Conn
Delta File Wks Inc Philadelphia 37 Pa
Henry Disston & Sons Inc Tacony Philadelphia 35 Pa
Heller Brothers Newark 4 N J
Nicholson File Co Providence R I
Nolvex File Co Cleveland O
Plomb Tool Co Los Angeles 54 Cal
Fayette R Plumb Inc Philadelphia Pa
Sandvik Saw & Tool Corp 47 Warren NY NY
Simonds Saw & Steel Co Fitchburg Mass (52)

FILLER—crack

Acme White Lead & Color Wks 8250 St Aubin Av Detroit 11 Mich
Blue Ridge Talc Co Inc Henry Va
Boston Varnish Co Boston 49 Mass (33)
Boyle-Midway Inc 257 Cornelison Av Jersey City 2 N J (142)
Carbola Chemical Co Inc Natural Bridge N Y
Consumers Glue Co St Louis 6 Mo
Donald Durham Co Des Moines Ia (237)
Farwell Ozmun Kirk & Co St Paul 1 Minn
The Foy Paint Co Inc Cincinnati 12 Ohio
Glidden Co Cleveland Ohio
Lignotite Co 882 Milwaukee Ave Chgo 22 Ill
National Casein Sales 601 W 80th Chgo 20 Ill
Perkins Glue Co Lansdale Pa
The Reardon Co St Louis 6 Mo (46)
Savogran Co Boston 10 Mass (28)
Schalk Chemical Co Los Angeles 12 Cal
Tamms-Silica Co 228 N La Salle Chgo 1 Ill
Technical Supply Co 1911 University Av Palo Alto Cal

FILLER—wood

Atlantic Varnish & Paint Co Inc P O Box 474 Richmond Va
Breinig Brothers Inc 1st & Harrison Hoboken N J
Carbola Chemical Co Inc Natural Bridge N Y
Farwell Ozmun Kirk & Co St Paul 1 Minn
W P Fuller & Co 301 Mission San Fran 19 Cal
Glidden Co Cleveland Ohio
Grand Rapids Varnish Corp 565 Godfrey Av S W Grand Rapids 2 Mich
The R F Johnston Paint Co Cincinnati 12 Ohio
Lignotite Co 882 Milwaukee Ave Chgo 22 Ill
Martin Senour Co 2520 Quarry Chgo Ill
Murphy Paint Div Interchemical Corp Newark 1 N J
Perkins Glue Co Lansdale Pa
Reliable Paste Co 3560 Shields Av Chicago 9 Ill
Technical Supply Co 1911 University Av Palo Alto Cal
20th Century Paint & Varnish Co 30 Roebling Brooklyn 11 N Y
The Wilbur & Williams Co Boston 16 Mass

FINANCING SERVICE

Allied Bldg Credits Inc St Paul 1 Minn (167)
Commercial Credit Co Baltimore 2 Md
Investors Syndicate Roanoke Bldg Minneapolis Minn
Lawrence Warehouse Co WP Story Bldg Los Angeles Calif (50)

FIRE ESCAPES

Bilco Mfg Co New Haven 6 Conn (184)
Chas F Davy Co Syracuse N Y
The Edwards Mfg Co 427-477 Culvert Cincinnati Ohio (160)
Logan Co Inc Louisville 6 Ky
Michel & Pfeffer Iron Wks Inc 1415 Harrison San Fran 3 Cal
Chas Parker Co Meriden Conn
St Paul Foundry & Mfg Co St Paul 3 Minn
F P Smith Wire & Iron Wks 2346 N Clybourn Chgo Ill
Southern Wire & Iron Wks 441 Memorial Dr S E Atlanta Ga

FIRE EXTINGUISHERS

W D Allen Mfg Co 566 W Lake Chgo 6 Ill
American La France Foamite Corp Elmira N Y
Fyr-Fyter Co Dayton 1 O
Grinnell Co Providence R I
International Fire Equip Corp 94 State Staten Island 10 N Y
Walter Kidde & Co Inc Belleville N J
Pyrene Mfg Co 560 Belmont Av Newark 8 NJ
Safety Fire Extinguisher Co 291 7th NY NY
D B Smith & Co Utica N Y (192)
M L Snyder & Son Philadelphia Pa
Standard Extinguisher Co Boston Mass

FIREPLACE EQUIPMENT

Adams Co Dubuque Ia
Bennett-Ireland Norwich NY (196)
Chattanooga Implement & Mfg Co Chattanooga Tenn
Colonial Brass Co Middleboro Mass
Colonial Fireplace Co 540 N Cicero Av Chgo 44 Ill
The Donley Bros Co 13928 Miles Av Cleveland 5 Ohio (221)
Heatilator Inc Syracuse N Y (137)
S M Howes Inc Fall River Mass
Kewanee Mfg Co Kewanee Ill
Laurelton Fdry Co Laurelton Pa
Majestic Co Huntington Ind
Ohio Fdry & Mfg Co Steubenville O
Sheffield Mfg Co 119 W 25th NY NY
F P Smith Wire & Iron Wks 2346 N Clybourn Chgo Ill
Superior Fireplace Co Los Angeles 15 Cal (180)
A L Swett Iron Wks Medina N Y
Wayne Agricultural Wks Inc Goldsboro N C
Western Foundry Co Portland 1 Ore

FIREPLACE UNITS

Bennett-Ireland Norwich NY (196)
Bilco Mfg Co New Haven 6 Conn (184)
Colonial Fireplace Co 540 N Cicero Av Chgo 44 Ill
H W Covert Co 339 E 48th NY NY
The Donley Bros Co 13928 Miles Av Cleveland 5 Ohio (221)
The Edwards Mfg Co Cincinnati 2 Ohio (160)
Heatilator Inc Syracuse N Y (137)
Majestic Co Huntington Ind
The Readybuilt Products Co 1707 McHenry Baltimore 23 Md
Rudiger Lang Co Berkeley Cal
Sealcon Products Inc Minneapolis 2 Minn
Superior Fireplace Co Los Angeles 15 Cal (180)

FIREPLACES—outdoor

Adams Co Dubuque Ia
Bilco Mfg Co New Haven 6 Conn (184)
Colonial Fireplace Co 540 N Cicero Av Chgo 44 Ill
H W Covert Co 339 E 48th NY NY
The Donley Bros Co 13928 Miles Av Cleveland 5 Ohio (221)
Hancock Iron Wks Pontiac 14 Mich
Mexico Refractories Co Mexico Mo
Michel & Pfeffer Iron Wks Inc 1415 Harrison San Fran 3 Cal
Rudiger Lang Co Berkeley Cal
Allen Selby Assoc 1836 Chase Ave Chgo Ill

FIREPROOFING CHEMICALS—wood

Albi Firepel Corp 9 Park Pl NY NY
American Lbr & Treating Co 332 S Mich Chgo 4 Ill (142)
De- Oxo- Lin Chemical Prod Inc Los Angeles Cal
E I Dupont de Nemours & Co Inc Wilmington Del (177)
Forman Ford & Co Minneapolis 1 Minn
Grand Rapids Varnish Corp 565 Godfrey Av S W Grand Rapids 2 Mich
Monsanto Chemical Co 1700 S Second St Louis 4 Mo (57)
Protexol Corp Kenilworth N J (228)
Victor Chemical Wks 141 W Jackson Chgo Ill
The Wilbur & Williams Co Boston 16 Mass (fire resistant paint)

FIXTURES—store display

Aurora Equipment Co Aurora Ill
General Wood Works Council Bluffs Ia
Hallack & Howard Lumber Co Denver 1 Colo
W C Heller & Co Montpelier O
Lyon Metal Prod Inc Aurora Ill
Marvel Rack Mfg Co Minneapolis Minn
Multiplex Display Fixture Co St Louis Mo
Newman Bros Inc 660 W 4th Cincinnati 3 Ohio
Reflector Hdwe Corp Western Av & 22nd Pl Chgo Ill
Republic Steel Corp Berger Mfg Div Canton 5 Ohio
Segelke & Kohlhaus Co La Crosse Wis
Universal Equip Co 3401 W Division Chgo Ill

FLASHING—roof

American Asphalt Roof Corp Kansas City Mo
American Brass Co Waterbury Conn
American Steel & Wire Co Cleveland O (165)
Angier Sales Corp Fremingham Mass
Barrett Div Allied Chem & Dye Corp 40 Rector NY NY (38)
Philip Carey Co Cincinnati 15 O
Carnegie Ill Steel Corp Pittsburgh Pa
Ceco Steel Products Corp 5701 W 26th Chgo 50 Ill
Chase Brass & Copper Co Waterbury Conn
Cheney Metal Products Company Trenton 5 N J
Continental Steel Corp Kokomo Ind
The Edwards Mfg Co 427-477 Culvert Cincinnati Ohio (160)
Johns-Manville Corp 22 E 40th NY 16 NY (62-63)
LaCrosse Steel Roofing & Corrugating Co LaCrosse Wis
Lehon Co 4425 S Oakley Chgo Ill
Milcor Steel Co Milwaukee 4 Wis (161)
Penn Supply & Metal Corp Philadelphia Pa
Reilly Tar & Chemical Corp Indianapolis 4 Ind
Republic Steel Corp Cleveland 1 Ohio
Republic Creosoting Co Indianapolis 4 Ind
The Ruberoid Co 500 Fifth Av NY 18 NY
Sealcon Products Inc Minneapolis 2 Minn
The Sisalkraft Co 205 W Wacker Dr Chgo 6 Ill (140-168)
St Paul Corrugating Co St Paul Minn
W W Stanley Co 401 Broadway NY NY
Tennessee Coal Iron & R R Co Birmingham Ala (165)
Wasco Flashing Co Cambridge Mass
Wheeling Corrugating Co Wheeling W Va (42)
Williams-Wallace Co San Francisco 7 Cal

Number in parenthesis indicates page on which advertisement appears

FLASHING—wall

American Asphalt Roof Corp Kansas City Mo
American Brass Co Waterbury Conn
American Steel & Wire Co Cleveland O (165)
Angier Sales Corp Fremingham Mass
Carnegie Illinois Steel Co Pittsburgh Pa
Ceco Steel Products Corp 5701 W 26th Chgo 50 Ill
Chase Brass & Copper Co Waterbury 91 Conn
Cheney Metal Prod Co Trenton 5 N J
Johns-Manville Corp 22 E 40th NY 16 NY (62-63)
LaCrosse Steel Roofing & Corrugating Co LaCrosse Wis
Mid-States Steel & Wire Co Crawfordsville Ind
Milcor Steel Co Milwaukee 4 Wis (161)
Republic Steel Corp Cleveland 1 Ohio
St Paul Corrugating Co St Paul Minn
W W Stanley Co 401 Broadway NY NY
Tennessee Coal Iron & R R Co Birmingham Ala (165)
Wasco Flashing Co Cambridge Mass
Wheeling Corrugating Co Wheeling W Va (42)

FLASHING—window

Angier Sales Corp Fremingham Mass
Cheney Metal Products Company Trenton 5 N J
Johns-Manville Corp 22 E 40th New York 16 N Y (62-63)
LaCrosse Steel Roofing & Corrugating Co LaCrosse Wis
Northwest Metal Prod Inc Seattle 4 Wash
Republic Steel Corp Cleveland 1 Ohio
St Paul Corrugating Co St Paul Minn
The Sisalkraft Co 305 W Wacker Drive Chgo 6 Ill (140-168)
Williams-Wallace Co San Francisco 7 Cal

FLOOR SEALER

Adco Inc Sedalia Mo
American Fluresit Co Inc Cincinnati 29 Ohio
American Marietta Co 43 E Ohio Chgo 11 Ill
American Floor Surfacing Machine Co Toledo 3 Ohio
Atlantic Varnish & Paint Co Inc P O Box 474 Richmond Va
Berry Bros Detroit Mich
Blue Ridge Talc Co Inc Henry Va
E L Bruce C Memphis Tenn
Ceresit Waterproofing Corp 512 S Canal Chicago 7 Ill
A D Chapman & Co Inc 333 N Michigan Av Chgo 1 Ill (48)
Finnell System Inc Elkhart Ind
The Forbes Varnish Co Cleveland 11 O
The Foy Paint Co Inc Cincinnati 12 O
J I Holcomb Mfg Co Indianapolis 7 Ind
R M Hollingshead Corp Camden N J
Industrial Chemical Laboratories Ltd Omaha 2 Neb
Jones-Dabney Co Louisville 8 Ky
Minwax Co Inc 11 W 42nd NY NY
Pratt & Lambert Inc 75 Tonawanda Buffalo 7 NY
Ranetite Mfg Co Inc 1917 S Broadway St Louis Mo (212)
Sealcon Prod Inc 927 Second Av S Minneapolis 2 Minn
Seidlitz Paint & Varnish Co Kansas City 10 Mo
L Sonneborn Sons Inc 88 Lexington Av NY 16 NY
Steelcote Mfg Co 3418 Gratiot St Louis 3 Mo (156)
Storm Flooring Co Inc 2500 Park Av New York 51 N Y
The Sullivan Co P O Box 2606 Memphis 2 Tenn (234)
Tremco Mfg Co Cleveland 4 Ohio
20th Century Paint & Varnish Co 30 Roebling Brooklyn 11 N Y
U S Sanitary Specialties Corp 435 S Western Av Chgo 12 Ill
Valentine & Co Inc 11 E 36th St NY 16 NY
Wadsworth Howland & Co 141 Federal Boston Mass
The Wilbur & Williams Co Boston 16 Mass
X-Pando Corp 43-15 36th Long Island City N Y

FLUE BASES

Chattanooga Implement & Mfg Co Chattanooga 6 Tenn
Gedge Bros Steel Roofing Co Anderson Ind
Streator Drain Tile Co Streator Ill

FLUE FLANGES

Adams Co Dubuque Ia
Chattanooga Implement & Mfg Co Chattanooga 6 Tenn
Columbia Pipe Co Columbia S C
Streator Drain Tile Co Streator Ill

FLUE LINING

Acme Brick Co Ft Worth Tex
California Pottery Co Niles Cal
Cannelton Sewer Pipe Co Inc Cannelton Ind
Chicago Fire Brick Co 1461 N Elston Chgo Ill
Columbia Pipe Co Columbia S C
S R Dee Bloomingdale Ind
Dennison Sewer Pipe Co Dennison Ohio
Denver Sewer Pipe & Clay Co Denver 1 Colo
W S Dickey Clay Mfg Co Kansas City Mo
Evans Pipe Co Uhrichsville O
Gladding-McBean & Co San Francisco Cal
Great Falls Brick Co Great Falls Mont
Laclede-Christy Clay Prod Co St Louis Mo
Lehigh Sewer Pipe & Tile Co Fort Dodge Ia
Owensboro Sewer Pipe Co Inc Owensboro Ky
Robinson Clay Prod Co Akron O
Sealcon Products Inc Minneapolis 2 Minn
Streator Drain Tile Co Streator Ill
Universal Sewer Pipe Co Cleveland O
Washington Brick & Lime Co Spokane 8 Wash
What Cheer Clay Prod Co What Cheer Ia

FLUE RINGS

Adams Co Dubuque Ia
Chattanooga Implement & Mfg Co Chattanooga 6 Tenn
Columbia Pipe Co Columbia S C
Dennison Sewer Pipe Co Dennison Ohio
The Donley Bros Co 13928 Miles Av Cleveland 5 Ohio (221)
Laclede-Christy Clay Prod Co St Louis Mo
LaCrosse Steel Roofing & Corrugating Co LaCrosse Wis
Owensboro Sewer Pipe Co Inc Owensboro Ky
Streator Drain Tile Co Streator Ill
A L Swett Iron Wks Medina N Y
Wheeling Corrugating Co Wheeling W Va (42)

FORESTERS—consulting

W D Durland & Co 502 Masonic Bldg New Orleans La
Thos F Grayson Prescott 5 Ark
The James Lacey Company 231 S La Salle St Chgo 4 Ill
Lemieux Bros Inc New Orleans 12 La
James W. Sewall Old Town Maine (237)
H M Spain & Co Commerce Title Bldg Memphis Tenn

FORKS—brick handling

Bradney Mach Co Inc Middletown N Y

FUEL BRIQUETTES—wood

Wood Briquettes Inc Lewiston Idaho

FURNACES—floor

The Coleman Co Inc Wichita 1 Kan
H C Little Burner Co Inc 2nd & Lincoln San Rafael Cal
Payne Furnace & Supply Co Beverly Hills Cal
Portland Stove Foundry Co Portland 2 Maine
Round Oak Co Dowagiac Mich

FURNACES—gas fired

Airtemp Div Chrysler Corp Dayton 1 O
The Coleman Co Inc Wichita 1 Kan
Delaware Tool Steel Corp Wilmington 99 Del
Des Moines Steel Furnace Co Des Moines Ia
Detroit Sheet Mtl Wks Detroit Mich
Excelsior Stove & Mfg Co Quincy Ill
Meyer Furnace Co Peoria Ill
O'Keefe & Merritt Co Los Angeles Cal
Payne Furnace & Supply Co Beverly Hills Cal
Richmond Radiator Co 835 Fifth Av NY 17 NY
Superior Fireplace Co Los Angeles 15 Cal (180)
The Williamson Heater Co Cincinnati 9 Ohio

FURNITURE—unfinished

Wm P Curtiss & Son Richland N Y
Fence Co of America 608 S Dearborn Chicago 5 Ill (25)
General Wood Works Council Bluffs Ia
Teepe-Whitney Co 192 Lexington Av NY NY
Watertown Table Slide Corp Watertown Wis
Western Pine Mfg Co Ltd Spokane Wash (204)

FUSE BOXES

Frank Adam Electric Co St Louis Mo
Cole Elec Prod Co 43-06 Crescent Long Island City N Y
Columbia Metal Box Co 260 E 143rd St New York 51 N Y
Electrical Engineers Equip Co Melrose Park Ill
General Electric Co Apparatus & Merch Dept Bridgeport Conn
Kirk & Blum Mfg Co Cincinnati O
Leonard Elec Mfg Co Cleveland O
Westinghouse Elec & Mfg Co 306 Fourth Av Pittsburgh 30 Pa
Wm Wurdack Elec Mfg Co St Louis Mo

FUSES

Bussmann Mfg Co St Louis Mo
Chase-Shawmut Co Newburyport Mass
Commercial Enclosed Fuse Co Hoboken N J
Eagle Electric Mfg Co Inc 23-10 Bridge Plaza So Long Island City 1 N Y
Economy Fuse & Mfg Co 2717 N Greenview Chgo Ill
General Electric Co Apparatus & Merch Dept Bridgeport Conn
Jefferson Elec Co Bellwood Ill
Kirkman Eng Corp 121 6th NY NY
Metropolitan Elec Mfg Co 22-50 Steinway Long Island City N Y
Royal Elec Co Inc Pawtucket R I
Star Fuse Co Inc 235 Canal NY NY
Trico Fuse Mfg Co Milwaukee Wis

GARAGES—prefabricated

Ivon R Ford Lbr Co McDonough N Y
The Green Lumber Co Laurel Miss
George J. Silbernagel S S Michigan Av Chgo 3 Ill (176)
Strand Building Products Co Detroit 26 Mich
The Strathmoor Co 14000 Grand River Av Detroit 27 Mich
U S-Challenge Co Batavia Ill

GARBAGE RECEPTACLES

Aberdeen Wood Prod Co Inc Montesano Wash
Adams Co Dubuque Ia
Geo W Diener Mfg Co 406 N Monticello Av Chgo 24 Ill
The Donley Bros Co 13928 Miles Av Cleveland 5 Ohio (221)
Gabriel Steel Co Detroit Mich
Houston Blow Pipe & Sheet Mtl Wks Houston Tex (20-172)
Lynn Iron Fdry Inc Lynn Mass
The Majestic Co Huntington Ind
Northwest Metal Products Inc Seattle 4 Wash
Reeves Steel & Mfg Co Dover Ohio
Rudiger Lang Co Berkeley Cal
Sanitary Receiver Co Dunkirk N Y
Sexton Can Co Everett Mass
A L Swett Iron Wks Medina N Y

GATES—farm

American Steel & Wire Co Cleveland O (165)
Bethlehem Steel Co Bethlehem Pa
Clay Equipment Corp Cedar Falls Ia
Continental Steel Corp Kokomo Ind
Cyclone Fence Div American Steel & Wire Co P O Box 260 Waukegan 1 Ill
The Davis & Siehl Co Cincinnati 23 O
Franklin Equipment Co Monticello Ia
Hicks Gate Co Fredericktown O
Keystone Steel & Wire Co Peoria Ill
Mid-States Steel & Wire Co Crawfordsville Ind
Northwestern Steel & Wire Co Sterling Ill
Pittsburgh Steel Co Pittsburgh Pa
Republic Steel Corp Berger Mfg Div Canton 5 Ohio
Rowe Mfg Co Galesburg Ill
Sheffield Steel Corp Kansas City Mo
Standard Mfg Co Cedar Falls Ia
Tennessee Coal Iron & R R Co Birmingham Ala (165)
U S-Challenge Co Batavia Ill
Weyerhaeuser Sales Co St Paul Minn

Number in parenthesis indicates page on which advertisement appears

GATES—industrial & residential

American Chain Link Fence Co Medford Mass
American Steel & Wire Co Cleveland O (165)
Cincinnati Iron Fence Co Inc Cincinnati 6 Ohio
Continental Steel Corp Kokomo Ind
Cyclone Fence Div American Steel & Wire Co P O Box 260 Waukegan 1 Ill
Keystone Steel & Wire Co Peoria Ill
Logan Co Inc Louisville 6 Ky
Mid-States Steel & Wire Co Crawfordsville Ind
Northwestern Steel & Wire Co Sterling Ill
Page Steel & Wire Div American Chain & Cable Co Inc Monessen Pa
Pittsburgh Steel Co Pittsburgh Pa
Redwood Garden Materials Co Los Angeles 21 Calif
Southern Wire & Iron Wks 441 Memorial Dr S E Atlanta Ga
Stewart Iron Wks Co Inc Cincinnati O
Tennessee Coal Iron & Railroad Co Birmingham Ala (165)
Wheeling Corrugating Co Wheeling W Va (42)
Wickwire Spencer Steel A Div of The Colorado Fuel & Iron Corp 500 Fifth Av New York 18 N Y (66)

GAUGES

E C Atkins & Co Indianapolis 9 Ind
The Bristol Co Waterbury 91 Conn
Henry Disston & Sons Inc Tacony Philadelphia 35 Pa
Hanchett Mfg Co Big Rapids Mich
Penberthy Injector Co Detroit 2 Mich

GENERATING SETS—steam, electric

Allis Chalmers Mfg Co Milwaukee Wis (152)
Buda Co Harvey Ill
Caterpillar Tractor Co Peoria Ill
Diehl Mfg Co 1124 Finderne Av Somerville N J
Fairbanks Morse & Co 600 S Michigan Chgo Ill (29)
The Filer & Stowell Co Milwaukee 7 Wis
The Ready-Power Co 3820 Grand River Av Detroit Mich (electric)
B F Sturtevant Co Boston Mass
Westinghouse Elec & Mfg Co 306 Fourth Av Pittsburgh 30 Pa
Witte Engine Works Div of Oil Well Supply Co Kansas City 3 Mo (electric)

GLASS—ornamental

Belknap Glass Co Seattle 1 Wash
Conrey-Prugh Glass Co Pittsburgh Pa
Libbey-Owens-Ford Glass Co Toledo O (9)
The Nurre Cos Inc Bloomington Ind
Pennsylvania Wire Glass Co Philadelphia 3 Pa
Pittsburgh Plate Glass Co 2000 Grant Bldg Pittsburgh 19 Pa (17)
Royal Glass Works Corp 50-20 25th Long Island City 1 N Y

GLASS—plate

Belknap Glass Co Seattle 1 Wash
Libbey-Owens-Ford Glass Co Toledo O (9)
Mississippi Glass Co 200 5th Av NY 10 NY
National Mirror Works Rockford Ill
The Nurre Cos Inc Bloomington Ind
Pittsburgh Plate Glass Co 2000 Grant Bldg Pittsburgh 19 Pa (17)
Royal Glass Works Corp 50-20 25th Long Island City 1 N Y

GLASS—structural

Belknap Glass Co Seattle 1 Wash
Conrey-Prugh Glass Co Pittsburgh Pa
Libbey-Owens-Ford Glass Co Toledo O (9)
Marietta Mfg Co Indianapolis Ind
Mississippi Glass Co 200 5th Av NY 10 NY
National Mirror Works Rockford Ill
The Nurre Cos Inc Bloomington Ind
Pennsylvania Wire Glass Co Philadelphia 3 Pa
Pittsburgh Plate Glass Co 2000 Grant Bldg Pittsburgh 19 Pa (17)
Royal Glass Wks Corp 50-20 25th Long Island City N Y

GLASS—window

American Glass Co Detroit Mich
American Window Glass Co Pittsburgh Pa
Semon Bache & Co 636 Greenwich NY NY
Belknap Glass Co Seattle 1 Wash
Conroy-Prugh Glass Co Pittsburgh Pa
Dearborn Glass Co 2414 W 21st Chgo 8 Ill
Farley & Loetscher Mfg Co Dubuque Iowa
Fourco Glass Co Clarksburg W Va
Harding Glass Co Fort Smith Ark
L J Houze Convex Glass Co Point Marion Pa
Johnston Glass Co Hartford City Ind
Libbey-Owens-Ford Glass Co Toledo O (9)
National Mirror Works Rockford Ill
The Nurre Cos Inc Bloomington Ind
Pittsburgh Plate Glass Co 2000 Grant Bldg Pittsburgh 19 Pa (17)
Rolland Glass Co Clarksburg W Va
Royal Glass Wks Corp 50-20 25th St Long Island City 1 N Y
Safetee Glass Co Philadelphia Pa
Toledo Plate & Window Glass Co Toledo O

GLASS—window, wire

Belknap Glass Co Seattle 1 Wash
Conrey-Prugh Glass Co Pittsburgh Pa
Dearborn Glass Co 2414 W 21st Chgo Ill
Libbey-Owens-Ford Glass Co Toledo O (9)
Mississippi Wire Glass Co 220 Fifth Av NY NY
National Mirror Works Rockford Ill
Pennsylvania Wire Glass Co Philadelphia Pa
Pittsburgh Plate Glass Co 2000 Grant Bldg Pittsburgh 19 Pa (17)
Royal Glass Works Corp 50-20 25th Long Island City 1 N Y

GLASS BLOCK

Belknap Glass Co Seattle 1 Wash
Owens-Illinois Glass Co Toledo Ohio
Pittsburgh Corning Corp Pittsburgh 22 Pa
Pittsburgh Plate Glass Co 2000 Grant Bldg Pittsburgh 19 Pa (17)
Royal Glass Works Corp 50-20 25th Long Island City 1 N Y

GLASS CUTTING BOARDS

Belknap Glass Co Seattle 1 Wash
Glaziers Tool Mfg Co 611 W Adams Chgo Ill
W C Heller & Co 539 N Clark St Montpelier Ohio
Lufkin Rule Co Saginaw Mich
Warner Mfg Co 801 16th Av SE Minneapolis 14 Minn

GLASS SUBSTITUTE

Allen Bros Inc Omaha Neb.
Arvey Corp 3470 N Kimball Chicago 18 Ill (164)
Celanese Plastics Corp 180 Madison Av New York 16 N Y
The Dobeckmun Co Cleveland 13 Ohio (235)
E I du Pont de Nemours & Co Inc Wilmington Del (177)
Flex-O-Glass Mfg Co 1104 N Cicero Av Chgo Ill (2)
Sol-O-Lite Mfg Co 4301 West North Av Chgo Ill (14)

GLAZING COMPOUND

Armstrong Co 4065 S La Salle Chgo 9 Ill (190)
Biddle Co St Louis Mo (162)
Black Swan Mfg Co 2235 W Grand Av Chgo Ill
Blue Ridge Talc Co Inc Henry Va
Briggs Maroney Co Inc Everett 49 Mass
Calbar Paint & Varnish Co 2612 N Martha Phil 25 Pa
Chemical Supply Co 225 Plymouth Bldg Cleveland 15 Ohio
The Dad & Lad Co New Lenox Ill (236)
Fort Pitt Chem Co Pittsburgh 22 Pa
A C Horn Co 43-42 Tenth St Long Is-
Lastik Products Co Inc Pittsburgh Pa
Macklanburg-Duncan Co Oklahoma City 1 Okla
Mar-Kay Mfg Co 2715 S Second St St Louis Mo
Ira Parker & Sons Co Oshkosh Wis (198)
Pennsylvania Salt Mfg Co Philadelphia 7 Pa
Plastic Prod Co 6475 Georgia Av Detroit 11 Mich
L Sonneborn Sons Inc 88 Lexington Av NY 16 NY
Steelcote Mfg Co 3418 Gratiot St Louis 3 Mo (156)
The Sullivan Co P O Box 2606 Memphis 2 Tenn (234)
Tamms-Silica Co 228 N La Salle Chgo 1 Ill
The Tremco Mfg Co Cleveland 4 Ohio
X-Pando Corp Long Island City NY

GLOVES—industrial

Broadway Rubber Mfg Co 529 E Broadway Louisville 2 Ky (210)
Industrial Glove Co Danville Ill
The B F Goodrich Co Akron Ohio
Marso & Rodenborn Mfg Co Fort Dodge Iowa
Olympic Glove Co 97 Madison Av NY NY
Peerless Glove Co Grand Haven Mich
Pioneer Rubber Co Willard O (208)
Seiberling Latex Prod Co Barberton O
Spartan Glove Co Dayton O

GLUE—animal

Armour & Co Glue Div 1355 W 31st Chgo 9 Ill (bone)
The Commercial Paste Co Columbus 8 Ohio
Consumers Glue Co St Louis Mo
Peter Cooper Corp Gowanda N Y
Franklin Glue Co Columbus 15 Ohio
H B Fuller Co 255 Eagle St Paul 2 Minn
C B Hewitt & Bros Inc 23 Green NY 13 NY
Keystone Glue Co Williamsport Pa
Le Page's Inc Gloucester Mass
National Adhesives Div of National Starch Products Inc 270 Madison Av New York 16 N Y
Paisley Prod Inc 1770 Canalport Av Chgo 16 Ill
Reliable Paste Co 3560 Shields Av Chgo 9 Ill
Tamms-Silica Co 228 N La Salle Chgo 1 Ill

GLUE—animal hide

Armour & Co Glue Div 1355 W 31st Chgo 9 Ill
The Commercial Paste Co Columbus 8 Ohio
Peter Cooper Corp Gowanda N Y
Franklin Glue Co Columbus 15 O
H B Fuller Co 255 Eagle St Paul 2 Minn
C B Hewitt & Bros Inc 23 Green NY 13 NY
Keystone Glue Co Williamsport Pa
Le Page's Inc Gloucester Mass
Madison Glue Corp 53 Park Pl NY 7 NY
National Adhesives Div of National Starch Products Inc 270 Madison Av New York 16 N Y
The Wellman Products Co Cleveland 3 Ohio

GLUE—casein

American Cyanamid & Chemical Corp 30 Rockefeller Plaza New York 20 N Y
Casein Co of America 350 Madison Av NY NY
Consumers Glue Co St Louis 6 Mo
Franklin Glue Co Columbus 15 Ohio
H B Fuller Co 255 Eagle St Paul 2 Minn
C B Hewitt & Bros Inc 23 Green NY 13 NY
Lacton Glue Mfg Co 611 Broadway NY NY
Le Page's Inc Gloucester Mass
Lignotite Co 882 Milwaukee Av Chgo 22 Ill
Monite Waterproof Glue Co Minneapolis Minn
Monsanto Chemical Co 1700 S Second St Louis 4 Mo (57)
National Adhesives Div of National Starch Products Inc 270 Madison Av New York 16 N Y
National Casein Sales 601 W 80th Chgo 20 Ill
Perkins Glue Co Lansdale Pa
So-Lo Works Inc Loveland Ohio
Tamms-Silica Co 228 N La Salle Chgo 1 Ill

GLUE—cold water

Casein Co of America 350 Madison Av NY 17 NY
The Commercial Paste Co Columbus 8 Ohio
Consumers Glue Co St Louis 6 Mo
Franklin Glue Co Columbus 15 Ohio

Number in parenthesis indicates page on which advertisement appears

H B Fuller Co 255 Eagle St Paul 2 Minn
C B Hewitt & Bros Inc 23 Green NY 13 NY
Le Page's Inc Gloucester Mass
Lignotite Co 882 Milwaukee Ave Chicago 22 Ill
Monite Waterproof Glue Co Minneapolis Minn
Monsanto Chemical Co 1700 S Second St Louis 4 Mo (57)
National Adhesives Div of National Starch Products Inc 270 Madison Av New York 16 N Y
National Casein Sales 601 W 80th Chgo 20 Ill
Paisley Prod Inc 1770 S Canalport Chgo Ill
Perkins Glue Co Lansdale Pa
So-Lo Works Inc Loveland Ohio
Tamms-Silica Co 228 N La Salle Chgo 1 Ill
United State Plywood Corp 55 W 44th New York 18 N Y (49)

GLUE—fish

L B Allen Co Inc 6722 Bryn Mawr Av Chgo Ill
The Commercial Paste Co Columbus 8 Ohio
Consumers Glue Co St Louis 6 Mo
Crescent Products Co Terre Haute Ind
H B Fuller Co 255 Eagle St Paul 2 Minn
C B Hewitt & Bros Inc 23 Green NY 13 NY
Le Page's Inc Gloucester Mass
National Adhesives Div of National Starch Products Inc 270 Madison Av New York 16 N Y
Paisley Products Inc 1770 S Canalport Chgo Ill
Standard Paste & Glue Co 3620 W 38th Chgo Ill
Williamson Adhesives Inc 2327 W 18th Chgo Ill

GLUE—resin

Casein Co of America 350 Madison Av NY NY
Catalin Corp 1 Park Av NY 16 NY
Peter Cooper Corp Gowanda N Y
Durite Plastics Inc 5000 Summerdale Av Philadelphia 24 Pa
H B Fuller Co 255 Eagle St Paul 2 Minn
C B Hewitt & Bros Inc 23 Green NY 13 NY
Le Page's Inc Gloucester Mass
Monite Waterproof Glue Co Minneapolis 11 Minn
Monsanto Chemical Co 1700 S Second St Louis 4 Mo (57)
National Adhesives Div of National Starch Products Inc 270 Madison Av New York 16 N Y
National Casein Sales 601 W 80th Chgo 20 Ill
Perkins Glue Co Lansdale Pa
Resinous Prod & Chem Co Inc Philadelphia Pa
So-Lo Works Inc Loveland Ohio
U S Plywood Corp 55 W 44th NY 18 NY (49)
The Wellman Products Co Cleveland 3 Ohio

GLUE—waterproof

The Commercial Paste Co Columbus 8 Ohio
Consumers Glue Co St Louis 6 Mo
Casein Co of America 350 Madison Av NY 17 NY
H B Fuller Co 255 Eagle St Paul 2 Minn
Franklin Glue Co Columbus 15 Ohio
C B Hewitt & Bros Inc 23 Green NY 13 NY
I F Laucks Inc 911 Western Av Seattle 4 Wash
Le Page's Inc Gloucester Mass
Monite Waterproof Glue Co Minneapolis Minn
Monsanto Chemical Co 1700 S Second St Louis 4 Mo (57)
National Adhesives Div of National Starch Products Inc 270 Madison Av New York 16 N Y
Paisley Prod Inc 1770 Canalport Av Chgo 16 Ill
Perkins Glue Co Lansdale Pa
Resinous Prod & Chem Co Inc Philadelphia Pa
So-Lo Works Inc Loveland Ohio
Tamms-Silica Co 228 N La Salle Chgo 1 Ill
United States Plywood Corp 55 West 44th NY 18 NY (49)
Williamson Adhesives Inc 2327 W 18th Chgo Ill

GLUE POTS

Aeroil Products Co West New York N J
Black Bros Co Inc Mendota Ill
Black & Decker Mfg Co Towson 4 Md
Chas E Francis Co Rushville Ind
Monite Waterproof Glue Co Minneapolis 11 Minn
Sta-Warm Electric Co Ravenna O
A H Waage Electric Co 54 Park Place New York 7 N Y
J D Wallace & Co 153 S California Av Chgo 12 Ill
The Wellman Products Co Cleveland 3 Ohio
Westinghouse Elec & Mfg Co 306 Fourth Av Pittsburgh 30 Pa

GLUE SPREADERS

Nels J Billstrom Inc Rockford Ill
Black Bros Co Inc Mendota Ill
Chas R Francis Co Rushville Ind
Monite Waterproof Glue Co Minneapolis 11 Min
Oliver Machinery Co Grand Rapids 2 Mich
Perkins Glue Co Lansdale Pa

GRATES—area

Adams Co Dubuque Ia
Cincinnati Iron Fence Co Cincinnati 6 O
Cleveland Steel Specialty Co Cleveland 5 Ohio
The Donley Bros Co 13928 Miles Av Cleveland 5 Ohio (221)
Logan Co Inc Louisville 6 Ky
Geo L Mesker Steel Corp Evansville 8 Ind
Michel & Pfeffer Iron Wks Inc 1415 Harrison San Fran 3 Cal

GRATES—boiler

Adams Co Dubuque Ia
Corinth Machinery Co Corinth Miss (171)
The Filer & Stowell Co Milwaukee 7 Wis
Kewanee Boiler Corp Kewanee Ill
Lookout Boiler & Mfg Co Chattanooga Tenn
Marion Machine Foundry & Supply Co Marion Ind
Michel & Pfeffer Iron Wks Inc 1415 Harrison San Fran 3 Cal
National Radiator Co 221 Central Av Johnstown Pa

GRILLES—outdoor cooking

The Adams Co Dubuque Iowa
The Donley Bros Co 13928 Miles Av Cleveland 5 Ohio (221)
Hancock Iron Wks Pontiac 14 Mich
Majestic Co Huntington Ind
Michel & Pfeffer Iron Wks Inc 1415 Harrison San Fran 3 Cal
Southern Wire & Iron Wks 441 Memorial Dr S E Atlanta Ga
Stewart Iron Wks Co Inc Cincinnati O

GRILLES—radiator

American Radiator & Standard Sanitary Corp 40 W 40th NY NY
Auer Register Co Cleveland O
Logan Co Inc Louisville Ky
Majestic Co Huntington Ind
Michel & Pfeffer Iron Wks Inc 1415 Harrison San Fran 3 Cal
Newman Bros Inc 660 W 4th Cincinnati 3 Ohio
S Parker Hardware Mfg Co 27 Ludlow New York 2 N Y
Stewart Iron Wks Co Inc Cincinnati O
United States Radiator Corp Detroit Mich
Wickwire Spencer Steel A Div of The Colorado Fuel & Iron Corp 500 Fifth Av New York 18 N Y (66)
United States Register Co Battle Creek Mich

GRILLES—screen door

Cole Mfg Co P O Box 2657 Memphis 2 Tenn
Flour City Ornamental Iron Co Minneapolis Minn
Logan Co Inc Louisville Ky
Macklanburg-Duncan Co Oklahoma City 1 Okla
Michel & Pfeffer Iron Wks Inc 1415 Harrison San Fran 3 Cal
S Parker Hardware Mfg Co 27 Ludlow New York 2 N Y
Protex Weatherstrip Mfg Co 4500 S Western Chgo Ill
F P Smith Wire & Iron Wks 2346 N Clybourn Chgo Ill
Southern Wire & Iron Wks 441 Memorial Dr S E Atlanta Ga

GRINDERS—band wheel

The Filer & Stowell Co Milwaukee 7 Wis
Hanchett Mfg Co Big Rapids Mich
Porter Cable Mach Co Syracuse 8 NY
Prescott Co Menominee Mich

GRINDERS—bench & floor

Baldor Electric Co St Louis Mo
Black & Decker Mfg Co Towson 4 Md
Champion Blower & Forge Co Lancaster Pa
Cincinnati Electrical Tool Co Cincinnati O
James Clark Jr Electric Co Inc Louisville 3 Ky
Diehl Mfg Co 1124 Finderne Av Somerville N J
Double A Products Co Inc Manchester Mich
Independent Pneumatic Tool Co 600 W Jackson Chgo 6 Ill
Ingersoll-Rand Co 11 Broadway New York 4 N Y
Kingston-Conley Electric Co North Plainfield N J
Luther Grinder & Tool Co Sheboygan Wis
Mall Tool Co 7733 South Chicago Av Chgo Ill (51)
Millers Falls Co Greenfield Mass
Milwaukee Electric Tool Corp Milwaukee 2 Wis
Porter Cable Mach Co Syracuse 8 NY
Schauer Machine Co Cincinnati O
Skilsaw Inc 5033 N Elston Av Chgo Ill (232)
Speedway Mfg Co 1834 S 52nd Av Cicero Ill
The Standard Electrical Tool Co Cincinnati 4 Ohio
Stanley Electric Tools 111 Elm New Britain Conn (64)
U S Electrical Tool Co Cincinnati 14 O
Vonnegut Moulder Corp Indianapolis Ind
Walker-Turner Co Inc Plainfield N J
Wisconsin Abrasive Co Milwaukee Wis
S A Woods Machine Co Boston 27 Mass

GRINDERS—cutter head

C K L Machinery Co Oshkosh Wis
Hermance Machine Co Williamsport 19 Pa
Stetson-Ross Mach Co Seattle 4 Wash
Samuel J Shimer & Sons Inc Milton Pa
S A Woods Machine Co Boston 27 Mass

GRINDERS—electric portable

Black & Decker Mfg Co Towson 4 Md
Chicago Wheel & Mfg Co 1101 W Monroe Chgo Ill
James Clark Jr Electric Co Inc Louisville 3 Ky
Independent Pneumatic Tool Co 600 W Jackson Chgo 6 Ill
Mall Tool Co 7733 South Chicago Av Chgo Ill (51)
Millers Falls Co Greenfield Mass
Milwaukee Electric Tool Corp Milwaukee 2 Wis
Porter Cable Mach Co Syracuse 8 NY
Pratt & Whitney West Hartford Conn
Reynolds Electric Co 2650 W Congress Chgo 12 Ill
Skilsaw Inc 5033 N Elston Av Chgo Ill (232)
Speedway Mfg Co 1834 S 52nd Av Cicero Ill
Stanley Electric Tools 111 Elm New Britain Conn (64)
Syntron Co Homer City Pa
U S Elec Tool Co Cincinnati O

GRINDERS—knife

Hanchett Mfg Co Big Rapids Mich
S A Woods Machine Co Boston 27 Mass
Yates-American Machine Co Beloit Wis

GRINDERS—oil stone

Carborundum Co Niagara Falls NY
Oliver Machinery Co Grand Rapids 2 Mich
J D Wallace & Co 153 S California Av Chgo 12 Ill

Number in parenthesis indicates page on which advertisement appears

GRINDING COMPOUND

Carborundum Co Niagara Falls N Y
Clover Mfg Co Norwalk Conn
Wayne Chemical Products Co Detroit Mich
Zip Abrasive Co Cleveland O

GRINDING WHEELS

Abrasive Products Inc South Braintree Mass
American Emery Wheel Wks Providence 1 R I
Bay State Abrasive Products Co Westboro Mass
Behr-Manning Corp Troy N Y
Bridgeport Safety Emery Wheel Co Bridgeport Conn
Carborundum Co Niagara Falls N Y
Chicago Wheel & Mfg Co 1101 W Monroe Chgo Ill
Clover Mfg Co Norwalk Conn
Cortland Grinding Wheels Corp Chester Mass
Goodrich Grinding Wheel Co 1500 W Madison Chgo Ill
Independent Pneumatic Tool Co 600 W Jackson Chgo 6 Ill
Luther Grinder & Tool Co Sheboygan Wis
Macklin Co Jackson Mich
Mall Tool 7733 South Chicago Av Chgo Ill (51)
Mid-West Abrasive Co Detroit Mich
Norton Co Worcester 6 Mass
Raybestos - Manhattan Inc Manhattan Rubber Div Passaic N J
Safety Grinding Wheel & Machine Co Springfield O
Simonds Abrasive Co Tacony & Fraley Philadelphia 37 Pa
The Sterling Grinding Wheel Div of The Cleveland Quarries Co Tiffin O
Vitrified Wheel Co Westfield Mass
Wisconsin Abrasive Co Milwaukee Wis

GROOVERS

Anson Whitney Mach Co Hartford Conn
Ekstrom, Carlson & Coe Rockford Ill
Huther Bros Saw Mfg Co Inc Rochester 7 NY
Skilsaw Inc 5033 N Elston Av Chgo Ill (232)

GUMMERS—saw

W T Adams Mach Co Corinth Miss
E C Atkins & Co Indianapolis Ind
Clizbe Bros Mfg Co Plymouth Ind
Henry Disston & Sons Inc Tacony Philadelphia 35 Pa
The Filer & Stowell Co Milwaukee 7 Wis
Foley Mfg Co Minneapolis Minn
Hanchett Mfg Co Big Rapids Mich
Norton Co Worcester 6 Mass
Prescott Co Menominee Mich
Samuel C. Rogers & Co Buffalo N Y

GUNS—caulking

The Biddle Co St Louis 2 Mo (162)
Black Swan Mfg Co 2235 W Grand Av Chgo Ill
Calbar Paint & Varnish Co 2612 N Martha Phil 25 Pa
Central Division Co 221 N LaSalle Chgo 1 Ill
The Donley Bros Co 13928 Miles Av Cleveland 5 Ohio (221)
Ford Roofing Products Co 111 W Washington Chgo 2 Ill
Fort Pitt Chem Co Pittsburgh 22 Pa
A C Horn Co 43-42 Tenth St Long Island City N Y
Kenmar Mfg Co Philadelphia 25 Pa
Lastik Products Co Pittsburgh Pa
Macklanburg-Duncan Co Oklahoma City 1 Okla
Pecora Paint Co Inc Philadelphia Pa
Protex Weatherstrip Mfg Co 4500 S Western Chgo Ill
The Security Co Detroit 3 Mich (138)
L Sonneborn Sons Inc 88 Lexington Av New York 16 N Y
Steelcote Mfg Co 3418 Gratiot St Louis 3 Mo (156)
Tamms-Silica Co 228 N La Salle Chgo 1 Ill
W F Webster Cement Co Cambridge 41 Mass

GUNS—spray

Alemite Corp 1828 W Diversey Chgo Ill
American Brake Shoe Co Kellogg Div Los Angeles 6 Calif
Binks Mfg Co 3114 Carroll Av Chgo 12 Ill
Boyle-Midway Inc Jersey City 2 N J (142)
The DeVilbiss Company 300 Phillips Av Toledo 1 Ohio
Eclipse Air Brush Co Inc Newark N J
Electric Sprayit Co Sheboygan Wis
The Glidden Co Cleveland 2 Ohio
Paasche Airbrush Co 1909 W Diversey Chgo Ill
Saylor-Beall Mfg Co Lansing 5 Mich
Sharp Mfg Co 1224 Wall Los Angeles 15 Cal

GUTTERS—wood

Aloha Lumber Co Aloha Wash
Dolbeer & Carson Lbr Co San Francisco Cal
Hammond Lumber Co 417 Montgomery San Fran Cal
Holmes-Eureka Lbr Co San Francisco Cal
Wm Hulbert Mill Co Everett Wash
Long Fir Gutter Co Cadiz O
Mutual Fir Column Co Tacoma Wash
Union Lbr Co San Francisco Cal
Washington Mfg Co Tacoma 1 Wash
Weyerhaeuser Sales Co St Paul Minn

GYPSUM PRECAST SLABS

Certain-teed Prod Corp 120 S La Salle Chgo 3 Ill (60)
United States Gypsum Co 300 W Adams Chgo Ill

HAMMERS—claw, carpenter, etc.

American Fork & Hoe Co Cleveland O
Billings & Spencer Co Hartford Conn
Champion-De Arment Tool Co Meadville Pa
C Drew & Co Kingston Mass
Fairmont Tool & Forging Co 10611 Quincy Av Cleveland Ohio
John H Graham & Co Inc 105 Duane New York 8 N Y
Heller Bros Co Newark N J
Hubbard & Co 6301 Butler St Pittsburgh 1 Pa
Marion Tool Corp Marion Ind
Mayhew Steel Products Inc Shelburne Falls Mass
Mephisto Tool Co Inc Hudson NY
P & C Forged Tool Co Portland Ore
Peck Stow & Wilcox Co Southington Conn
Phoenix Hdwe Mfg Co Buffalo N Y
Fayette R Plumb Inc Philadelphia 37 Pa
The Stanley Works New Britain Conn (64)
Vaughan & Bushnell Mfg Co 135 S La Salle Chgo Ill

HAMMERS—portable electric

Black & Decker Mfg Co Towson 4 Md
Chicago Pneumatic Tool Co 6 E 44th NY NY
Independent Pneumatic Tool Co 600 W Jackson Chgo 6 Ill
Millers Falls Co Greenfield Mass
Milwaukee Electrical Tool Corp Milwaukee Wis
Stanley Electric Tools 111 Elm New Britain Conn (64)
Syntron Co Homer City Pa
Wodack Electric Tool Corp 4627 W Huron Chgo Ill

HAMMERS—saw setting

American Fork & Hoe Co Cleveland O
E C Atkins & Co Indianapolis Ind
Henry Disston & Sons Inc Tacony Philadelphia 35 Pa
Hanchett Mfg Co Big Rapids Mich
Simonds Saw & Steel Co Fitchburg Mass (52)
Vaughan & Bushnell Mfg Co 135 S La Salle Chgo Ill

HANDLES—broom & mop

W F Brown & Son Inc Denham Springs La
Himmelberger-Harrison Mfg Co Cape Girardeau Mo
Holt Hardwood Co Oconto Wis (146)
G F League Lumber Co Box 125 Greenville S C (236)
Meyer Handle & Veneer Co Magazine Ala
Morgan Lumber Co Jackson Tenn
McMinnville Handle Co McMinnville Tenn
Northwoods Mfg Co Manistique Mich
Norton Mfg Co Memphis Tenn
Prouty Lbr & Box Co Warrenton Ore
Robinson Wood Turning Co Burlington Vt
H A Stiles & Co Boston 14 Mass
St Helens Wood Products Co St Helens Ore
Southeast Portland Lumber Co Portland Ore
Temple-White Co Diboll Tex
Washington Handle Co Tacoma Wash
White Wood Products Co Inc Bogalusa La

HANDLES—carpenter tool

Englewood Dowel Co Inc Merchandise Mart Chgo 54 Ill
E B Estes & Sons Inc 155 E 44th NY NY
Greenslate Mfg Co Rich Hill Mo
S A Healy's Sons West Chesterfield Mass
Marion Handle Mills Inc Marion Va
Simonds Saw & Steel Co Fitchburg Mass (52)
H A Stiles & Co Boston 14 Mass
L W Strock & Co Bethlehem Pa

HANGERS—joist & timber

Adams Co Dubuque Ia
Cleveland Lock Works Cleveland 14 O (202)
Cleveland Steel Spec Corp Cleveland O
The Donley Bros Co 13928 Miles Av Cleveland 5 Ohio (221)
Gabriel Steel Co Detroit 12 Mich
Ideal Hanger Co 1272 E 53rd Cleveland 14 Ohio (184)
Isaacson Iron Wks Seattle Wash
Kelly Steel Works Inc 5767 W 65th Chgo 38 Ill
Lanebro Mfg Co Poughkeepsie N Y
Lane Joist Hanger Co Baltimore Md
Logan Co Inc Louisville 6 Ky
McDougall & Potter Co Rider Av & 141st NY NY
Michel & Pfeffer Iron Wks Inc 1415 Harrison San Fran 3 Cal
Wagner Mfg Co Cedar Falls Iowa (studding sockets)

HANGERS—pipe & cabinet

Carpenter & Paterson Inc 1190 Bennington East Boston 28 Mass
Crawford Co 3220 W 31st Chgo Ill
Fee & Mason Mfg Co 81 Beekman NY NY
Ford & Kendig Co Phil Pa
Gedge Bros Steel Roofing Co Anderson Ind
Grabler Mfg Co Cleveland O
Grinnell Co Providence R I
Hubbard & Co 6301 Butler St Pittsburgh 1 Pa
Illinois Malleable Iron Co 1801 Diversey Pkwy Chgo Ill
Michel & Pfeffer Iron Wks Inc 1415 Harrison San Fran 3 Cal
Paine Co 2951 Carroll Av Chgo 12 Ill
Signode Steel Strapping Co 2635 N Western Av Chgo Ill
P Wall Mfg Supply Co Grove City Pa
Walworth Co 60 E 42nd NY NY

HANGERS & TRACK—door

Allith-Prouty Inc Danville Ill
Clay Equipment Corp Cedar Falls Iowa
Coburn Trolley Track Co Holyoke Mass
Franklin Equipment Co Monticello Ia
Frantz Mfg Co Sterling Ill (144)
Knape & Vogt Mfg Co Grand Rapids Mich
Lanebro Mfg Co Poughkeepsie N Y
Lawrence Bros Sterling Ill
Louden Mach Co Fairfield Ia
McKinney Mfg Co Pittsburgh Pa (197)
Richards-Wilcox Mfg Co Aurora Ill
Sargent & Co New Haven Conn
Sharon Hardware Mfg Co Sharon Pa
The Stanley Works New Britain Conn (64)
Starline Inc Harvard Ill
Wagner Mfg Co Cedar Falls Ia
Western Products Inc New Castle Ind

HARDWARE—bin swing

Ritsche Specialty Mfg Co St Cloud Minn

HARDWARE—cabinet

American Brass Goods Co Grand Rapids Mich
American Cabinet Hdwe Corp Rockford Ill (11)
Best Universal Lock Co Indianapolis 4 Ind
Champion Hdwe Co Geneva O

Number in parenthesis indicates page on which advertisement appears

Chase Brass & Copper Co Waterbury 91 Conn
Cleveland Lock Wks Div Consolidated Iron Steel Mfg Co 1283 E 53rd Cleveland 14 Ohio (202)
Fiwale Equipment Mfg Co 165 Church NY 7 NY
Frantz Mfg Co Sterling Ill (144)
L F Grammes & Sons Inc 396 Union Allentown Pa
H S Getty & Co Inc Phil Pa
Lockwood Hdwe Mfg Co Fitchburg Mass (163)
McKinney Mfg Co Pittsburgh Pa (197)
Nat'l Brass Co Grand Rapids 2 Mich
Natl Lock Co Rockford Ill (15)
Pacific Plastic & Mfg Co Inc Los Angeles 16 Calif
S Parker Hardware Mfg Co 27 Ludlow New York 2 N Y
Phoenix Lock Co Newark 7 N J
Reflector Hdwe Corp Western Av & 22nd Pl Chgo Ill
Russell & Erwin Div The American Hardware Corp New Britain Conn (202)
Safe Padlock & Hdwe Co Lancaster Pa
Sharon Hdwe Mfg Co Sharon Pa
Shelby Spring Hinge Co Shelby Ohio
The Stanley Works New Britain Conn (64)
Technical Glass Co Inc Los Angeles 11 Calif
Yale & Towne Mfg Co Stamford Conn

HARDWARE—casement

Austin & Eddy Inc P O Box 1504 Boston 4 Mass
Casement Hdwe Co 404 N Wood Chgo
J Chesler & Sons 41 Varick Av Brooklyn 6 N Y
P & F Corbin New Haven Conn (201)
Fiwale Equipment Mfg Co 165 Church NY 7 NY
Frantz Mfg Co Sterling Ill (144)
Grant Pulley & Hdwe Co 33-36 57th Woodside L I N Y
Griffin Mfg Co Erie Pa
Lafayette Metal Products Co Oakland Calif
Lawrence Bros Sterling Ill
Lockwood Hdwe Mfg Co Fitchburg Mass (163)
National Brass Co Grand Rapids Mich
Reading Hdwe Corp Reading Pa
Richards-Wilcox Mfg Co Aurora Ill
Russell & Erwin Div The American Hdw Corp New Britain Conn (202)
Safe Padlock & Hdwe Co Lancaster Pa
Sager Lock Works Div of the Yale & Towne Mfg Co North Chicago Ill
Sargent & Co New Haven Conn
Sharon Hdwe Mfg Co Sharon Pa
Shelby Spring Hinge Co Shelby O
Sterling Hdwe Mfg Co 2341 Nelson St Chicago 18 Ill
Yale & Towne Mfg Co Stamford Conn

HARDWARE—clothes closet

Best Universal Lock Co Indianapolis 4 Ind
Fiwale Equipment Mfg Co 165 Church NY 7 NY
Knape & Vogt Mfg Co Grand Rapids 4 Mich
S Parker Hardware Mfg Co 27 Ludlow New York 2 N Y
Reflector Hdwe Corp Western Av & 22nd Pl Chgo Ill
Russell & Erwin Div The American Hdw Corp New Britain Conn (202)
The Stanley Works New Britain Conn (64)

HARDWARE—concrete forms

Jeschke Wire & Specialty Co Crawfordsville Ind
M & M Wire Clamp Co 983-17th Av S E Minneapolis 14 Minn
Star Expansion Products Co Inc 147 Cedar New York 6 N Y
Williams Form Eng Corp Grand Rapids 7 Mich

HARDWARE—overhead door type

Allith-Prouty Inc Danville Ill
Barber-Colman Co Rockford Ill
Clay Equipment Corp Cedar Falls Iowa
Coburn Trolley Track Co Holyoke Mass
Farley & Loetscher Mfg Co Dubuque Ia
Frantz Mfg Co Sterling Ill (144)
Holmes Mfg Co Los Angeles Cal
Lawrence Bros Sterling Ill
Louden Mach Co Fairfield Ia
Phenix Mfg Co Milwaukee Wis
Richards-Wilcox Mfg Co Aurora Ill
The Stanley Works New Britain Conn (64)
Starline Inc Harvard Ill
Sterling Hardware Mfg Co 2341 W Nelson Chicago 18 Ill
Tavart Co Ltd Los Angeles 13 Cal (36)
Wagner Mfg Co Cedar Falls Iowa

HARDWARE—plastic, handles & knobs only

Champion Hdwe Co Geneva O
W J Dennis & Co 1732 N Kolmar Av Chgo 39 Ill
Fiwale Equipment Mfg Co 165 Church NY 7 NY
Imperial Molded Prod Corp Chgo 12 Ill
Modern Plastic Co Los Angeles 11 Calif
Pacific Plastic & Mfg Co Inc Los Angeles 16 Calif
S Parker Hardware Mfg Co 27 Ludlow New York 2 N Y
Slaymaker Lock Co Lancaster Pa
Yale & Towne Mfg Co Stamford Conn

HARDWARE—sliding, folding garage

Allith-Prouty Inc Danville Ill
Coburn Trolley Track Co Holyoke Mass
Eberhard Mfg Co Div Eastern Malleable Iron Co Cleveland 4 Ohio
Fiwale Equipment Mfg Co 165 Church NY 7 NY
Frantz Mfg Co Sterling Ill (144)
Lawrence Bros Sterling Ill
Louden Mach Co Fairfield Ia
McKinney Mfg Co Pittsburgh Pa (197)
The Ney Mfg Co 948 High Av S W Canton 4 Ohio
Richards-Wilcox Mfg Co Aurora Ill
Sargent & Co New Haven Conn
Sharon Hdwe Mfg Co Sharon Pa
The Stanley Works New Britain Conn (64)
Starline Inc Harvard Ill
Wagner Mfg Co Cedar Falls Ia

HARDWARE—storm sash & screen

Austin & Eddy Inc P O Box 1504 Boston 4 Mass
Bommer Spring Hinge Co 263 Classon Ave Brooklyn N Y
Champion Hdwe Co Geneva O
Chgo Spring Hinge Co 1500 Carroll Av Chgo Ill
Cleveland Lock Wks Div Consolidated Iron Steel Mfg Co 1283 E 53rd Cleveland 14 Ohio (202)
P & F Corbin New Britain Conn (201)
W J Dennis & Co 1732 N Kolmar Av Chgo 39 Ill
Frantz Mfg Co Sterling Ill (144)
F D Kees Mfg Co Beatrice Neb
Lockwood Hardware Mfg Co Fitchburg Mass (163)
National Lock Co Rockford Ill (15)
Safe Padlock & Hdwe Co Lancaster Pa
Samson Products Co 4238 N Leavitt Av Chgo 18 Ill
Sargent & Co New Haven Conn
Sharon Hdwe Mfg Co Sharon Pa
Shelby Spring Hinge Co Shelby Ohio
Sterling Hardware Mfg Co 2341 W Nelson Chgo 18 Ill
Yale & Towne Mfg Co Stamford Conn

HASPS—hinge

Champion Hdwe Co Geneva O
P & F Corbin New Britain Conn (201)
Eberhard Mfg Co Div Eastern Malleable Iron Co Cleveland 4 Ohio
Fiwale Equipment Mfg Co 165 Church NY 7 NY
Frantz Mfg Co Sterling Ill (144)
H S Getty & Co Inc Phil Pa
Griffin Mfg Co Erie Pa
C Hager & Sons Hinge Mfg Co St Louis Mo
Lafayette Metal Products Co Oakland Cal
Lawrence Bros Sterling Ill
McKinney Mfg Co Pittsburgh Pa (197)
S Parker Hardware Mfg Co 27 Ludlow New York 2 N Y
Richards-Wilcox Mfg Co Aurora Ill
Safe Padlock & Hdwe Co Lancaster Pa
Sargent & Co New Haven Conn
Sharon Hdwe Mfg Co Sharon Pa
The Stanley Wks New Britain Conn (64)
Wagner Mfg Co Cedar Falls Ia

HAUL-UPS—log

Allis Chalmers Mfg Co Milwaukee Wis (152)
Broderick & Bascom Rope Co St Louis Mo
Chain Belt Co Milwaukee Wis
Corinth Machinery Co Corinth Miss (171)
The Filer & Stowell Co Milwaukee 7 Wis
Hyster Co Portland 8 Ore
Jeffrey Mfg Co Columbus 16 O
Lidgerwood Mfg Co Elizabeth N J
Link-Belt Co 300 W Pershing Rd Chgo 9 Ill
Prescott Co Menominee Mich

HEATERS—concrete

Aeroil Products Co West New York N J
American Steel Works Kansas City 8 Mo
Hauck Mfg Co 126 10th Brooklyn N Y
MacLeod Co Cincinnati O
Unique Mfg Co Inc 221 W Walton Chgo Ill

HEATERS—gas

Armstrong Products Corp Huntington 12 W Va
Detroit Sheet Mtl Wks Detroit Mich
Excelsior Stove & Mfg Co Quincy Ill
Payne Furnace & Supply Co Beverly Hills Cal
Ruud Mfg Co Pittsburgh 1 Pa

HEATERS—oil

American Steel Works Kansas City 8 Mo
Automatic Burner Corp 1823 W Carroll Chgo 12 Ill
The Coleman Co Inc Wichita 1 Kan
The Estate Stove Co Hamilton Ohio
Excelsior Stove & Mfg Co Quincy Ill
Gray & Dudley Co Nashville 3 Tenn
A J Lindemann & Hoverson Co 601 W Cleveland Av Milwaukee 7 Wis
H C Little Burner Co Inc 2nd & Lincoln San Rafael Cal
National Airoil Burner Co Philadelphia 34 Pa
Richmond Engineering Co Inc Richmond Va
Silent Sioux Oil Burner Corp Orange City Iowa
Harvey Whipple Inc Springfield Mass
York-Shipley Inc York Pa

HEATERS—portable electric

Alliance Mfg Co Alliance O
American Foundry Equipment Co Mishawaka Ind
Armstrong Products Corp Huntington 12 W Va
Eagle Electric Mfg Co Inc 23-10 Bridge Plaza South Long Island City 1 N Y
Excelsior Stove & Mfg Co Quincy Ill
General Electric Co Apparatus & Merch Dept Bridgeport Conn
Knapp-Monarch Co St Louis Mo
Landers Frary & Clark New Britain Conn
Shepler Mfg Co Pittsburgh Pa (also built-in)
Harold E Trent Co Philadelphia 27 Pa
Westinghouse Electric & Mfg Co Pittsburgh Pa

HEATERS—radiant room

Chattanooga Implement & Mfg Co Chattanooga 6 Tenn
The Coleman Co Inc Wichita 1 Kan
Excelsior Stove & Mfg Co Quincy Ill
Florence Stove Co Gardner Mass
Kol-Gas Heater Co Nashville 3 Tenn
Malleable Iron Range Co Beaver Dam Wis
Westinghouse Elec & Mfg Co 306 Fourth Av Pittsburgh 30 Pa

HEATERS—tank

Adams Co Dubuque Ia
Automatic Burner Corp 1823 W Carroll Chgo 12 Ill
Beall Pipe & Tank Corp Portland Ore
Brower Mfg Co Quincy Ill
W E Caldwell Co Louisville 8 Ky
Dempster Mill Mfg Co Beatrice Neb
Excelsior Stove & Mfg Co Quincy Ill
Farwell Ozmun Kirk & Co St Paul 1 Minn
General Electric Co Schenectady N Y
Mt Vernon Furnace & Mfg Mt Vernon Ill
R Munroe & Sons Mfg Corp Pittsburgh 22 Pa
Richmond Engineering Co Inc Richmond Va
Ruud Mfg Co Pittsburgh Pa
Siebring Mfg Co George Ia
Harold E Trent Co Philadelphia 27 Pa
Westinghouse Elec Mfg Co Pittsburgh Pa

HEATERS—unit

American Blower Corp Detroit 32 Mich
American Foundry & Equip Co Mishawaka Ind
Burnham Boiler Corp Irvington-on-Hudson N Y
Carrier Corp Syracuse 1 N Y
Clarage Fan Co Kalamazoo Mich

Number in parenthesis indicates page on which advertisement appears

Excelsior Stove & Mfg Co Quincy Ill
General Electric Co Schenectady N Y
Gilbert & Barger Mfg Co West Springfield Mass
Grinnell Co Inc Providence R I
Ilg Electric Ventilating Co 2850 N Crawford Av Chicago 41 Ill
McCord Radiator & Mfg Co Detroit Mich
McQuay Inc Minneapolis Minn
Minneapolis Honeywell Regulator Co Minneapolis Minn
Modine Mfg Co Racine Wisc
Moore Dry Kiln Co P O Box 4248 Jacksonville 1 Fla (227)
D J Murray Mfg Wausau Wis
The Herman Nelson Corp 540 N Michigan Chgo Ill
Richmond Radiator Co 835 Fifth Av NY 17 NY
St Louis Blow Pipe & Heater Co St Louis Mo
Silent Sioux Oil Burner Corp Orange City Iowa
B F Sturtevant Co Boston Mass
Trane Co LaCrosse Wisc
Warren Webster & Co Camden N J
Westinghouse Elec & Mfg Co 306 Fourth Av Pittsburgh 30 Pa
Young Radiator Co Racine Wis

HEATERS—water

Airtemp Div Chrysler Corp Dayton 1 O
American Gas Machine Co Albert Lea Minn
American Radiator & Std Sanitary Corp 40 W 40th NY NY
Automatic Burner Corp 1823 W Carroll Chgo 12 Ill
Brower Mfg Co Quincy Ill
Burnham Boiler Corp Irvington-on-Hudson N Y
Chrysler Corporation Airtemp Division Dayton 1 Ohio
The Coleman Co Inc Wichita 1 Kan
Edison Genl Elec Appliance Co Inc 5600 W Taylor St Chgo 44 Ill
Evans Products Co Detroit Mich
Excelsior Stove & Mfg Co Quincy Ill
Florence Stove Co Gardner Mass
Frigidaire Div General Motors Corp Dayton 1 Ohio
General Electric Co Bridgeport Conn
General Water Heater Corp Burbank Calif
Gilbert & Barker Mfg Co West Springfield Mass
International Heater Co Utica 2 N Y
Kewanee Boiler Corp Kewanee Ill
Landers Frary & Clark New Britain Conn
A J Lindemann & Hoverson Co 601 W Cleveland Av Milwaukee 7 Wis
H C Little Burner Co Inc 2nd & Lincoln San Rafael Cal
Locke Stove Co Kan City 6 Mo
Marion Machine Foundry & Supply Co Marion Ind
Nash-Kelvinator Corp Detroit Mich
Natl Stamping & Electric Works 320 W Lake Chgo Ill
Norge Div Borg-Warner Corp Detroit Mich
O'Keefe & Merritt Co Los Angeles Calif
Pacific Gas Radiator Co Los Angeles Cal
Ruud Mfg Co Pittsburgh Pa
Standard Gas Equipment Corp Baltimore Md
Timken Silent Automatic Div The Timken Detroit Axle Co Detroit 32 Mich
Trane Co La Crosse Wis
United States Radiator Corp Detroit Mich
Westinghouse Elec & Mfg Co 306 Fourth Av Pittsburgh 30 Pa
Harvey Whipple Inc Springfield Mass
Whitlock Manufacturing Co Hartford Conn
Williams Oil-O-Matic Div Eureka Williams Corp Bloomington Ill
Gar Wood Industries Inc Detroit Mich

HEATING—steam or hot water

Airtemp Div Chrysler Corp Dayton 1 O
American Radiator & Std Sanitary Corp 40 W 40th NY NY
Automatic Burner Corp 1823 W Carroll Chgo 12 Ill (oil)
Burnham Boiler Corp Irvington-on-Hudson N Y
Excelsior Stove & Mfg Co Quincy Ill
Gilbert & Barker Mfg Co West Springfield Mass
International Heater Co Utica 2 N Y
Kewanee Boiler Corp Kewanee Ill
Milcor Steel Co Milwaukee 4 Wis (161)
National Radiator Co 221 Central Av Johnstown Pa
Penn Boiler & Burner Mfg Corp Lancaster Pa
Richardson & Boynton Co 1990 Park Av NY NY
Richmond Radiator Co 835 Fifth Av NY 17 NY
Trane Co La Crosse Wis
Williams Oil-O-Matic Div Eureka Williams Corp Bloomington Ill
Gar Wood Industries Inc Detroit Mich

HEATING—warm air

Airtemp Div Chrysler Corp Dayton O
American Radiator & Std Sanitary Corp 40 W 40th NY NY
Automatic Burner Corp 1823 W Carroll Chicago 12 Ill
Evans Products Co Detroit Mich
Excelsior Stove & Mfg Co Quincy Ill
Gilbert & Barker Mfg Co West Springfield Mass
Heil Co Milwaukee Wis
International Heater Co Utica 2 N Y
H C Little Burner Co Inc 2nd & Lincoln San Rafael Cal
Majestic Co Huntington Ind
Milcor Steel Co 4101 W Burnham Milwaukee 4 Wis (161)
Mission Foundry & Stove Wks San Francisco Cal
L J Mueller Furnace Co Milwaukee Wis
Norge Heating & Conditioning Div Borg Warner Corp Detroit Mich
Payne Furnace & Supply Co Beverly Hills Cal
Penn Boiler & Burner Mfg Corp Box 1079 Lancaster Pa
Richmond Radiator Co 835 Fifth Av NY 17 NY
Round Oak Co Dowagiac Mich
St Louis Blow Pipe & Heater Co St Louis Mo
Trane Co La Crosse Wis
Waterman-Waterbury Co Minneapolis Minn
Williams Oil-O-Matic Div Eureka Williams Corp Bloomington Ill
Gar Wood Industries Inc Detroit Mich

HINGES—butt

American Cabinet Hdwe Corp Rockford Ill (11)
P & F Corbin New Britain Conn (201)
Fiwale Equipment Mfg Co 165 Church NY 7 NY
Frantz Mfg Co Sterling Ill (144)
H S Getty & Co Inc Phil Pa
Griffin Mfg Co Erie Pa
C Hager & Sons Hinge Mfg Co St Louis Mo
Lawrence Bros Sterling Ill
Lockwood Hdwe Mfg Co Fitchburg Mass (163)
McKinney Mfg Co Pittsburgh Pa (197)
Nat'l Lock Co Rockford Ill (15)
Norwalk Lock Co 395 Broadway NY 13 NY
S Parker Hdwe Mfg Co 27 Ludlow St New York 2 N Y
Penn Hdwe Co Reading Pa
Reflector Hdwe Corp Western Av & 22nd Pl Chgo Ill
Richards-Wilcox Aurora Ill
Russell & Erwin Div The American Hardware Corp New Britain Conn (202)
Sharon Hardware Mfg Co Sharon Pa
Yale & Towne Mfg Co Stamford Conn

HINGES—cabinet

American Brass Goods Co Grand Rapids Mich
American Cabinet Hdwe Corp Rockford Ill (11)
Bommer Spring Hinge Co Brooklyn N Y
Champion Hdwe Co Geneva O
Chgo Spring Hinge Co 1500 Carroll Chgo Ill
Cleveland Lock Wks Div Consolidated Iron Steel Mfg Co 1283 E 53rd Cleveland 14 Ohio (202)
P & F Corbin New Britain Conn (201)
Fiwale Equipment Mfg Co 165 Church NY 7 NY
Frantz Mfg Co Sterling Ill (144)
Knape & Vogt Mfg Co Grand Rapids Mich
Lawrence Bros Sterling Ill
McKinney Mfg Co Pittsburgh Pa (197)
Natl Brass Co Grand Rapids Mich
National Hardware Co 86-30 103rd Av New York N Y
Nat'l Lock Co Rockford Ill (15)
S Parker Hdwe Mfg Co 27 Ludlow New York 2 N Y
Reflector Hdwe Corp Western Av & 22nd Pl Chgo Ill
Russell & Erwin Div The American Hdw Corp New Britain Conn (202)
Safe Padlock & Hdwe Co Lancaster Pa
Sargent & Co New Haven Conn
Sharon Hdwe Mfg Co Sharon Pa
Shelby Spring Hinge Co Shelby O
The Stanley Wks New Britain Conn (64)
Yale & Towne Mfg Co Stamford Conn

HINGES—gate

Bommer Spring Hinge Co Brooklyn N Y
Chicago Spring Hinge Co 1502 Carroll Av Chgo Ill
Frantz Mfg Co Sterling Ill (144)
Keystone Steel & Wire Co Peoria Ill
McKinney Mfg Co Pittsburgh 12 Pa (197)
Richards-Wilcox Mfg Co Aurora Ill
Sharon Hardware Mfg Co Sharon Pa
The Stanley Works New Britain Conn (64)
Wagner Mfg Co Cedar Falls Iowa
Wrightsville Hardware Co Wrightsville Pa

HINGES—spring door

Bommer Spring Hinge Co Brooklyn 5 N Y
Champion Hardware Co Geneva Ohio
Chgo Spring Hinge Co 1500 W Carroll Chgo Ill
Cleveland Lock Wks Div Consolidated Iron Steel Mfg Co 1283 E 53rd Cleveland 14 Ohio (202)
P & F Corbin New Britain Conn (201)
Fiwale Equipment Mfg Co 165 Church NY 7 NY
Frantz Mfg Co Sterling Ill (144)
H S Getty & Co Inc Phil Pa
Lawrence Bros Sterling Ill
Milwaukee Stamping Co Milwaukee 14 Wis (140)
Nat'l Lock Co Rockford Ill (15)
Reflector Hdwe Corp Western Av & 22nd Pl Chgo Ill
Russell & Erwin Div The American Hdwe Corp New Britain Conn (202
Sargent & Co New Haven Conn
Sharon Hdwe Mfg Co Sharon Pa
Shelby Spring Hinge Co Shelby O
The Stanley Wks New Britain Conn (64)

HINGES—strap

Allith-Prouty Inc Danville Ill (heavy industrial type)
Coburn Trolley Track Co Holyoke Mass
Fiwale Equipment Mfg Co 165 Church NY 7 NY
Frantz Mfg Co Sterling Ill (144)
H S Getty & Co Phil Pa
Griffin Mfg Co Erie Pa
C Hager & Sons Hinge Mfg Co St Louis Mo
Lawrence Bros Sterling Ill
McKinney Mfg Co Pittsburgh Pa (197)
Natl Brass Co Grand Rapids Mich
Richards-Wilcox Mfg Co Aurora Ill
Russell & Erwin Div The American Hdw Corp New Britain Conn (202)
Sargent & Co New Haven Conn
Sharon Hdwe Mfg Co Sharon Pa
The Stanley Wks New Britain Conn (64)
Wagner Mfg Co Cedar Falls Iowa

HODS—brick & mortar

Cleveland Wire Spring Co 5250 Brookpark Road Cleveland 9 Ohio
Lansing Co Lansing Mich
Louthan Sheet Metal Co 2407 Pulaski Chgo Ill
Wheeling Corrugating Co Wheeling W Va (42)

HOG HOUSE EQUIPMENT

Butler Mfg Co Kan City Mo
Clay Equipment Corp Cedar Falls Ia
Franklin Equip Co Monticello Ia
H D Hudson Mfg Co 589 E Illinois Chgo 11 Ill
James Mfg Co Ft Atkinson Wis
LaCrosse Steel Roofing & Corrugating Co LaCrosse Wis
Louden Mach Co Fairfield Ia
Starline Inc Harvard Ill
Willis Steel Corp Galesburg Ill

HOG HOUSES—prefabricated

The Edwards Mfg Co Cincinnati 2 Ohio (160)
The Green Lumber Co Laurel Miss
Koppers Company Inc Wood Preserving Div Pittsburgh 19 Pa
James Mfg Co Ft Atkinson Wis
Rilco Laminated Prod Inc St Paul 1 Minn (154)
George J Silbernagel S S Michigan Av Chgo 3 Ill (176)
Starline Inc Harvard Ill
Superstructures Inc Albert Lea Minn
Timber Structures Inc Portland 8 Ore
U S-Challenge Co Batavia Ill
Unit Structures Inc Peshtigo Wis

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HOISTS—booster

Anthony Co Streator Ill
National Brass Co Grand Rapids Mich
Norton Door Closer Co 2900 N Western Av Chgo 18 Ill
Safe Padlock & Hdwe Co Lancaster Pa
St Paul Hydraulic Hoist Co Minneapolis 14 Minn
Sargent & Co New Haven Conn
The Stanley Wks New Britain Conn (64)

HOISTS—chain

Bridgeport Chain & Mfg Co Bridgeport Conn
J H. Channon Corp 1455 W Hubbard Chgo Ill
Chester Mfg Co Lisbon Ohio
Chisholm Moore Hoist Corp Tonawanda N Y
The Cleveland Crane & Engineering Co Wickliffe Ohio
Coffing Hoist Co Danville Ill
Columbus McKinnon Chain Corp Tonawanda N Y
Ford Chain Block Div American Chain & Cable Co Inc Philadelphia 25 Pa
Louden Mach Co Fairfield Ia
Reading Chain & Block Corp 2100 Adams St Reading Pa
David Round & Son Cleveland 5 Ohio
Starline Inc Harvard Ill
Yale & Towne Mfg Co Phil Pa

HOISTS—drum

American Eng Co Philadelphia 25 Pa
American Hoist & Derrick Co 63 So Robert St Paul 1 Minn
American Mfg Co Inc 2119 Pacific Av Tacoma 2 Wash (234-236)
Bennett-Ireland Norwich N Y (196)
Bridgeport Chain & Mfg Co Bridgeport Conn
C H & E Mfg Co Milwaukee 12 Wis
Chisholm Moore Hoist Corp Tonawanda N Y
Clyde Iron Works Inc Duluth 1 Minn
The Filer & Stowell Co Milwaukee 7 Wis
Hyster Co Portland 8 Ore
Ingersoll-Rand Co 11 Broadway NY NY
Jeffrey Mfg Co Columbus O
Lidgerwood Mfg Co Elizabeth N J
Link-Belt Co 300 W Pershing Rd Chgo 9 Ill
Louden Mach Co Fairfield Ia
Prescott Co Menominee Mich
Shepard Niles Crane & Hoist Corp Montour Falls N Y
Silent Hoist & Crane Co 860 63rd Brooklyn 20 N Y (170)
Stephens-Adamson Mfg Co Aurora Ill
Stimmel Winch Co 37-24 33rd Long Island City 1 N Y
Sullivan Machinery Co Michigan City Ind
Washington Iron Works Seattle 4 Wash
Yale & Towne Mfg Co Phil Pa

HOISTS—electric

American Engineering Co Philadelphia 25 Pa
Clyde Iron Works Inc Duluth 1 Minn
Columbus McKinnon Chain Corp Tonawanda N Y
Detroit Hoist & Machine Co Detroit 11 Mich
Electro Lift Inc 32 Church New York 7 N Y
Harnischfeger Corp Milwaukee Wis
Lidgerwood Mfg Co Elizabeth B N J
The Louden Machinery Co Fairfield Ia
Reading Chain & Block Corp Reading Pa
Shepard Niles Crane & Hoist Corp Montour Falls N Y
Stephens-Adamson Mfg Co Aurora Ill
Sullivan Machinery Co Michigan City Ind
Wright Mfg Div American Chain & Cable Co Inc York Pa
The Yale & Towne Mfg Co Philadelphia 24 Pa

HOISTS—hydraulic dumping

Anthony Co Streator Ill
Chisholm-Moore Hoist Corp Tonawanda N Y
Galion Allsteel Body Co Galion O
Heil Co Milwaukee Wis
Jeffrey Mfg Co Columbus O
Perfection Steel Body Co Galion Ohio
St Paul Hydraulic Hoist Co Minneapolis 14 Minn
Yale & Towne Mfg Co Phil Pa

HOISTS—rope

American Eng Co Philadelphia 25 Pa
The Filer & Stowell Co Milwaukee 7 Wis
Hall Mfg Co Cedar Rapids Ia
Lanebro Mfg Co Poughkeepsie N Y
Lidgerwood Mfg Co Elizabeth B N J
The Ney Mfg Co 948 High Av S W Canton 4 Ohio
Shepard Niles Crane & Hoist Co Montour Falls NY
Starline Inc Harvard Ill
Sullivan Machinery Co Michigan City Ind

HOLDERS—price card

H A Dunning Westerly R I
L F Grammes & Sons Inc 396 Union Allentown Pa
Hampden Mfg Co Inc Plainfield N J
W C Heller & Co 539 N Clark St Montpelier Ohio
Hopp Press Inc 460 W 34 NY NY

HOME APPLIANCES

Adel Precision Products Corp Burbank Calif
Admiral Corp 3800 W Cortland Chgo 47 Ill
Apex Rotarex Corp Cleveland 10 Ohio
Chicago Flexible Shaft Co 1124 S Central Av Chgo Ill
Diehl Mfg Co 1124 Finderne Av Somerville N J
Frigidaire Div General Motors Corp Dayton 1 Ohio
General Electric Co Appliance & Merchandise Dept Bridgeport Conn
Landers Frary & Clarke New Britain Conn
Mabey Electric Co Peoria Ill
The Pioneer Co Pittsburgh 22 Pa
Westinghouse Electric & Mfg Co Pittsburgh Pa

HOME & FARM FREEZERS

Admiral Corp 3800 W Cortland Chgo 47 Ill
Carrier Corp Syracuse N Y
Coolerator Co Duluth Minn
Deepfreeze Div Motor Products Corp North Chicago Ill
Edison General Electric Appliance Co Inc Chgo Ill
Frigidaire Div General Motors Corp Dayton 1 Ohio
Frostor 332 S Michigan Av Chgo Ill
General Refrigerator Corp 678 Broadway NY NY
Gibson Refrigerator Co Greenville Mich
General Electric Co Bridgeport Conn
Hussman Refrigeration Inc St Louis Mo
Ice Cooling Appliance Corp 33 S Clark Chicago 3 Ill
Nash-Kelvinator Detroit 32 Mich
Norge Div Borg-Warner Corp Detroit Mich
Masterfreeze Corp Sister Bay Wis
Refrigeration Corp of America 241 W 64th NY NY
Seeger-Sunbeam Corp St Paul 6 Minn
Sub-Zero Freezer Co Rice Lake Wis
U S-Challenge Co Batavia Ill
Westinghouse Electric Corp Mansfield O
Winpower Mfg Co Newton Iowa

HOME WORKSHOP EQUIPMENT

Boice-Crane Co Toledo Ohio
Buss Machine Works Holland Mich
Crescent Machine Co Leetonia Ohio
Delta Mfg Co Milwaukee 1 Wis
DeWalt Products Corp Lancaster Pa (141)
Equipment Engineering Co Kansas City 2 Mo (194)
Lyon Metal Products Inc Aurora Ill
Mall Tool Co 7733 South Chicago Av Chgo 19 Ill (51)
C S Osborne & Co Harrison N J
Pratt & Whitney West Hartford Conn
Parks Woodworking Machine Co Cincinnati Ohio
Porter Cable Machine Co Syracuse N Y
Red Star Products Inc Cleveland Ohio
Richards-Wilcox Mfg Co Aurora Ill
Skilsaw Inc 5033 Elston Av Chgo 30 Ill (232)
Stanley Electric Tools New Britain Conn (64)
Stetson-Ross Machine Co Seattle Wash
Walker Turner Co East Plainfield N J

HOODS—ventilating, kitchen

Vent-A-Hood Co Dallas 1 Tex

HOOKS—awning

Copperweld Steel Co Glassport Pa

HOOKS—coat

Barrows Lock Wks Div of The Yale & Towne Mfg Co No Chgo Ill
Bommer Spring Hinge Co 263 Classon av Brooklyn 5 N Y
Champion Hdwe Co Geneva O
The Columbus Brass Mfg Co 620 Dublin Av Columbus 16 Ohio
P & F Corbin New Britain Conn (201)
Fiwale Equipment Mfg Co 165 Church NY 7 NY
Frantz Mfg Co Sterling Ill (144)
H S Getty & Co Phil Pa
Knape & Vogt Mfg Co Grand Rapids 4 Mich
Lockwood Hdwe Mfg Co Fitchburg Mass (163)
Metal Craft Co Detroit Mich
Penn Hdwe Co Reading Pa
Phoenix Lock Co Newark 7 N J
Reading Hdwe Corp Reading Pa
Russell & Erwin Div The American Hdw Corp New Britain Conn (202)
Safe Padlock & Hdwe Co Lancaster
Sargent & Co New Haven Conn
Sharon Hdwe Mfg Co Sharon Pa
Shelby Spring Hinge Co Shelby O
U S Lock & Hdwe Co Columbia Pa
Yale & Towne Mfg Co Stamford Conn

HOSE—air compressor

Acme Rubber Mfg Co Trenton N J
Boston Woven Hose & Rubber Co Cambridge Mass
Broadway Rubber Mfg Co 529 E Broadway Louisville 2 Ky (210)
Cincinnati Rubber Mfg Co Cincinnati O
Continental Rubber Wks Erie Pa
Gates Rubber Co 999 S Broadway Denver 17 Colo
Goodall Rubber Co 5 S 36th Philadelphia 4 Pa
The B F Goodrich Co Arkron Ohio
Ingersoll-Rand Co 11 Broadway New York 4 N Y
Raybestos - Manhattan Inc Manhattan Rubber Div Passaic N J
Republic Rubber Div Lee Rubber & Tire Corp Youngstown 1 Ohio
Sharp Mfg Co 1224 Wall Los Angeles 15 Cal
Thermoid Rubber Div Thermoid Co Trenton 6 N J
U S Rubber Co 1230 5th NY NY

HOSE—garden

Acme Rubber Mfg Co Trenton N J
Boston Woven Hose & Rubber Co Cambridge Mass
Broadway Rubber Mfg Co 529 E Broadway Louisville 2 Ky (210)
Continental Rubber Wks Erie Pa
Gates Rubber Co 999 S Broadway Denver 17 Colo
Goodall Rubber Co 5 S 36th Philadelphia 4 Pa
The B F Goodrich Co Akron Ohio
Raybestos - Manhattan Inc Manhattan Rubber Div Passaic N J
Republic Rubber Div Lee Rubber & Tire Corp Youngstown 1 Ohio
Thermoid Rubber Div Thermoid Co Trenton 6 N J
United States Rubber Co 1230 6th Av New York 20 N Y

HOSE—industrial

Acme Rubber Mfg Co Trenton N J
Broadway Rubber Mfg Co 529 E Broadway Louisville 2 Ky (210)
Cincinnati Rubber Mfg Co Cincinnati 12 Ohio
Gates Rubber Co 999 S Broadway Denver 17 Colo
Goodall Rubber Co 5 S 36th Philadelphia 4 Pa
The B F Goodrich Co Akron Ohio
Raybestos - Manhattan Inc Manhattan Rubber Div Passaic N J
Republic Rubber Div Lee Rubber & Tire Corp Youngstown 1 Ohio
Thermoid Rubber Div Thermoid Co Trenton 6 N J
United States Rubber Co 1230 6th Av New York 20 N Y

HOSE—linen fire

W D Allen Mfg Co 566 W Lake Chgo 6 Ill
Boston Woven Hose & Rubber Co Boston Mass
Elkhart Brass Mfg Co Elkhart Ind
Goodall Rubber Co 5 S 36th Philadelphia 4 Pa
Raybestos - Manhattan Inc Manhattan Rubber Div Passaic N J
Wirt & Knox Mfg Co Phil 32 Pa
United States Rubber Co 1230 6th Av New York 20 N Y

Number in parenthesis indicates page on which advertisement appears

HOUSES—prefabricated

Allied Housing Associates Inc Langhorne Pa
American Houses Inc 570 Lexington Av NY NY
Anchorage Homes Inc Arlington Mass
Bush Prefab Structures Inc 370 Lexington NY NY
Evans Products Co Detroit Mich
Factory Built Homes Inc McDonough N Y (235)
GBH-Way Homes Inc Walnut Ill
General Houses Inc 400 W Madison Chgo Ill
Green Lumber Co Laurel Miss
Gunnison Housing Corp New Albany Ind
Hardin & Ramsey Atlanta Ga
Home Bldg Corp Kan City Mo
The Home-Ola Corp 9 S Clinton Chgo 6 Ill (349)
Houston Blow Pipe & Sheet Mtl Wks Houston Tex (20-172)
Houston Ready-Cut House Co Houston 1 Tex (215)
Indiana Demountable Housing Inc Indianapolis Ind (237)
Johnson Housing Corp Sharon Pa
National Homes Corp of Indiana 52 By Pass Lafayette Ind
Plywood Structures Inc Los Angeles Cal
George J Silbernagel S S Michigan Av Chgo 3 Ill (176)
Southern Mill & Mfg Co Tulsa Okla
Stewart & Bennett Co Natl City Cal
The Strathmoor Co 14000 Grand River Av Detroit 27 Mich
Tacoma Lumber Fabricating Co Tacoma 1 Wash
Texas Prefabricated Housing Co Dallas Texas
Timber Structures Inc Portland 8 Ore
U S-Challenge Co Batavia Ill
Unit Structures Inc Peshtigo Wis

INCINERATORS—garbage

Detroit-Michigan Stove Co Detroit Mich
The Donley Bros Co 13928 Miles Av Cleveland 5 Ohio (221)
Ewing Incinerator Co 4722 Ravenswood Av Chgo 40 Ill
J W Fiske Iron Works 78 Park Place New York 7 N Y
Gabriel Steel Co Detroit 12 Mich
Houston Blow Pipe & Sheet Mtl Wks Houston Tex (20, 172)
Kerner Incinerator Div Morse Boulger Destruction Co 205 E 42nd New York 17 N Y
Majestic Co Huntington Ind
Pittsburgh Incinerator Co 131 Beam Way Pittsburgh Pa
Renown Stove Co Owosso Mich
Rudiger Lang Co Berkeley Cal
E C Stearns & Co Syracuse NY

Indicators—moisture content

American Instrument Co Washington D C
Colloid Equip Co Inc 50 Church NY NY
Foxboro Co Foxboro Mass
Hart Moisture Gauges 126 Liberty NY NY
Moisture Register Co 133 N Garfield Alahambra Calif (170)
Moore Dry Kiln Co P O Box 4248 Jacksonville 1 Fla (227)
Portable Products Corp C J Tagliabue Div Park & Nostrand Brooklyn 5 NY
Standard Dry Kiln Co P O Box 541 Indianapolis Ind
Taylor Instrument Companies Rochester 1 N Y

INSECTICIDES

Adco Inc Sedalia Mo
Agkem Inc Quincy Ill
The American Agricultural Chemical Co 50 Church New York 7 N Y
American Cyanamid & Chemical Corp 30 Rockefeller Plaza New York 20 N Y
Barrett Div Allied Chemical & Dye Corp 40 Rector NY NY (38)
Boyle-Midway Inc 257 Cornelison Av Jersey City 2 N J (142)
Carbola Chemical Co Inc Natural Bridge N Y
Cre-O-Tox Chem Co Memphis Tenn (237)
Crescent Products Co Terre Haute Ind
The Dow Chemical Co Midland Mich (147)
E I DuPont de Nemours & Co Inc Wilmington Del (177)
Harrop Chemical Co 135 Hoboken Av Jersey City 2 N J
Inter-State Oil Co Kansas City 3 Kan
J A Meinhardt & Co 2622 S Shields Av Chgo Ill
Monsanto Chemical Co 1700 S Second St Louis 4 Mo (57)
The Neville Co Neville Island Pittsburgh 25 Pa
Penna Salt Mfg Co Phil Pa
Pioneer Mfg Co Cleveland O
Pittsburgh Plate Glass Co Milwaukee Wis (43)
Protection Products Mfg Co Kalamazoo Mich
Reilly Tar & Chemical Corp Indianapolis 4 Ind
Republic Creosoting Co Indianapolis 4 Ind
Sherwin Williams Co Cleveland O (39)
Wood Treating Chemicals Co St Louis Mo

INSERTS—concrete

Bethlehem Steel Co Bethlehem Pa
Dayton Malleable Iron Co Dayton O
Carpenter & Paterson Inc 1190 Bennington East Boston 28 Mass
Dayton Malleable Iron Co P O Box 980 Dayton 1 Ohio
The Donley Bros Co 13928 Miles Av Cleveland 5 Ohio (221)
Gabriel Steel Co Detroit Mich
The Globe Stamping Div Hupp Motor Car Corp Cleveland 2 Ohio
Fee & Mason Mfg Co Inc 81 Beekman New York 7 N Y
Grabler Mfg Co Cleveland O
Lakeside Malleable Casting Co Racine Wis
Richards-Wilcox Mfg Co Aurora Ill
Star Expansion Bolt Co 147 Cedar NY NY
Truscon Steel Co Youngstown O
Union Steel Prod Co Albion Mich

INSTRUMENTS — indicating, recording & controlling

The Bristol Co Waterbury 91 Conn
Foxboro Co Foxboro Mass
General Electric Co Schenectady N Y
Grand Rapids Vapor Kiln Inc Grand Rapids 2 Mich
Leeds & Northrup Co Philadelphia 44 Pa
Minneapolis Honeywell Reg Co Minneapolis Minn
Moore Dry Kiln Co P O Box 4248 Jacksonville 1 Fla (227)
Portable Products Corp C J Tagliabue Div Park & Nostrand Brooklyn 5 NY
Republic Flow Meters 2240 W Diversey Chgo Ill
Standard Dry Kiln Co P O Box 541 Indianapolis Ind
Taylor Instrument Co Rochester 1 N Y
Westinghouse Elec & Mfg Co 306 Fourth Av Pittsburgh 30 Pa

INSULATION— blanket or batt type

Acme Asbestos Covering & Flooring Co 244 N Elizabeth Chgo 7 Ill
Armstrong Cork Co Lancaster Pa
Barrett Div Allied Chemical & Dye Corp 40 Rector N Y NY (38)
California Redwood Distributors Ltd 35 E Wacker Chgo Ill
Philip Carey Mfg Co Cincinnati 15 Ohio
Carney Rockwool Co Mankato Minn
Celotex Corp 120 S LaSalle Chgo Ill (batt type only) (136)
The Eagle-Picher Co Cincinnati 1 Ohio
The Flintkote Co Inc 30 Rockefeller Plaza NY NY (10)
Ford Roofing Products Co 111 W Washington Chgo 2 Ill
Gilman Bros Co Gilman Conn (212)
Johns-Manville Corp 22 E 40th NY 16 NY (62-63)
Kimberly-Clark Corp Kimsul Div Neenah Wis (5)
Lockport Cotton Batting Co Lockport N Y (202)
National Gypsum Co Buffalo N Y (40-41)
Masonite Corp 111 W Washington Chgo Ill
B F Nelson Mfg Co Minneapolis Minn
Owens-Corning Fiberglas Corp Toledo 1 Ohio
Plastergon Wallboard Co 196 Philadelphia Av Buffalo 7 NY
Reynolds Metals Co Richmond Va
Riverton Lime & Stone Co Inc Riverton Pa
The Ruberoid Co 500 Fifth Av NY 18 NY
Std Lime & Stone Co Baltimore 3 Md
Taylor Bedding Co Taylor Tex
U S Gypsum Co 300 W Adams Chgo 6 Ill
Wood Conversion Co St Paul Minn (18-19)

INSULATION—blowing wool

Owens-Corning Fiberglas Corp Toledo 1 Ohio

INSULATION—board or sheet

Acme Asbestos Covering & Flooring Co 244 N Elizabeth Chgo 7 Ill
Armstrong Cork Co Lancaster Pa
Balsa Ecuador Lumber Corp 500 5th Av New York 18 N Y
Celotex Corp 120 S LaSalle Chgo Ill (136)
Central Division Co 221 N LaSalle Chgo 1 Ill
Fir-Tex Portland Ore
Flintkote Co 30 Rockefeller Plaza NY NY (10)
Insulite Co Minneapolis Minn (185)
Johns-Manville Corp 22 E 40th NY 16 NY (62-63)
National Gypsum Co Buffalo N Y (40-41)
B F Nelson Mfg Co Minneapolis 13 Minn
Plastergon Wallboard Co Buffalo 7 N Y
U S Gypsum Co 300 W Adams Chgo Ill
Wasco Flashing Co Cambridge Mass
Wood Conversion Co St Paul Minn (18-19)

INSULATION—glass (foam)

Armstrong Cork Co Lancaster Pa
Pittsburgh Corning Corp Pittsburgh 22 Pa
Pittsburgh Plate Glass Co Pittsburgh Pa 17

INSULATION—loose fill

Acme Asbestos Covering & Flooring Co 244 N Elizabeth Chgo 7 Ill
Armstrong Cork Co Lancaster Pa
Barrett Div Allied Chemical & Dye Corp 40 Rector NY NY (38)
Philip Carey Mfg Co Cincinnati 15 Ohio
Celotex Corp 120 S La Salle Chgo 10 Ill (136)
The Flintkote Co Inc 30 Rockefeller Plaza NY NY (10)
Ford Roofing Products Co 111 W Washington Chgo 2 Ill
Insul-Wool Insulation Corp Wichita
Johns-Manville Corp 22 E 40th NY 16 NY (62-63)
Nat'l Gypsum Co Buffalo N Y (40-41)
B F Nelson Mfg Co Minneapolis Minn
Owens-Corning Fiberglas Corp Toledo 1 Ohio
Plastergon Wallboard Co 196 Philadelphia Av Buffalo 7 NY
Plibrico Jointless Firebrick Co 1800 N Kingsbury Chgo 14 Ill
Riverton Lime & Stone Co Inc Riverton Va
The Ruberoid Co 500 Fifth Av NY 18 NY
U S Gypsum Co 300 W Adams Chgo 6 Ill
Universal Zonolite Insulation Co 135 S La Salle St Chgo Ill (155)
Western Mineral Products Co Milwaukee Wis
Western Vermiculite Co Denver Colo

INSULATION—plastic

Acme Asbestos Covering & Flooring Co 244 N Elizabeth Chgo 7 Ill
A C Horn Co 43-42 Tenth Long Island City 1 NY
Irvington Varnish & Insulator Co Irvington 11 N J
Johns-Manville Corp 22 E 40th New York 16 N Y (62-63)
Mexico Refractories Co Mexico Missouri
National Gypsum Co Buffalo N Y (40-41)
Plibrico Jointless Firebrick Co 1800 N Kingsbury Chgo 14 Ill
The Ruberoid Co 500 Fifth Av NY 18 NY

INSULATION—reflective type

American Flange & Mfg Co Inc 30 Rockefeller Plaza NY NY
Lockport Cotton Batting Co Lockport N Y (202)
Nat'l Gypsum Co Buffalo N Y (40-41)
Reynolds Metals Co Richmond Va
Silvercote Products Inc 161 E Erie Chgo 11 Ill
The Sisalkraft Co 205 W Wacker Dr Chgo 6 Ill (140-168)
U S Gypsum Co 300 W Adams Chgo Ill
United States Rubber Co 1230 6th Av New York 20 N Y

INSULATION—spray-on

Keasbey & Mattison Co Ambler Pa
Mexico Refractories Co Mexico Mo
Sprayo-Flake Co 2715 W Irving Pk Chgo Ill
Standard Asbestos Mfg Co 822 W Lake Chgo Ill

Number in parenthesis indicates page on which advertisement appears

INSULATION—wool

Acme Asbestos Covering & Flooring Co 244 N Elizabeth Chgo 7 Ill
Armstrong Cork Co Lancaster Pa
Barrett Div Allied Chem & Dye Corp 40 Rector St NY NY (38)
Philip Carey Mfg Co Cincinnati 15 O
Celotex Corp 120 S La Salle Chgo Ill (136)
The Eagle-Picher Co Cincinnati 2 Ohio
Flintkote Co 30 Rockefeller Plaza NY NY (10)
Johns-Manville Corp 22 E 40th NY 16 NY (62-63)
Lyon Conklin & Co Baltimore 30 Md
National Gypsum Co Buffalo N Y (40-41)
Owens-Corning Fiberglas Corp Toledo 1 Ohio (mineral)
Pacific Lbr Co 100 Bush San Francisco Cal
Plastergon Wallboard Co 196 Philadelphia Av Buffalo 7 NY
Plibrico Jointless Firebrick Co 1800 N Kingsbury Chgo 14 Ill
Riverton Lime & Stone Co Inc Riverton Va
The Ruberoid Co 500 Fifth Av NY 18 NY
Standard Asbestos Mfg Co 820 W Lake Chgo 7 Ill
Standard Lime & Stone Co Baltimore Md
United States Gypsum Co 300 W Adams Chgo Ill

INSURANCE

Employers Mutual Liability Insurance Co of Wis Wausau Wis (150-151)
Indiana Lumbermens Mutual Insurance Co Indianapolis 9 Ind
Lumbermens Mutual Casualty Co 4750 Sheridan Rd Chgo Ill (218)
Lumbermens Underwriting Alliance Long Bldg Kansas City Mo
Pennsylvania Lumbermen's Mutual Fire Insurance Co Philadelphia 6 Pa

INTER-COMMUNICATION SYSTEMS

Edwards & Co Norwalk Conn
Executone Inc 415 Lexington Av New York 17 N Y
Kellogg Switchboard & Supply Co 6650 S Cicero Chgo Ill
Select-O-Phone Co Div of Screw Mach Prod Co Inc 1012 Eddy Providence 5 R I
Signal Eng & Mfg Co 154 W 14 NY NY
Talk-A-Phone Mfg Co 1512 S Pulaski Rd Chicago 23 Ill

IRONERS—electric

Apex Rotarex Corp Cleveland 10 Ohio
Armstrong Products Corp Huntington W Va
Chicago Dryer Co 2210 N Pulaski Rd Chgo 39 Ill
Edison Genl Elec Appliance Co Inc 5600 W Taylor Chgo 44 Ill
General Electric Co Bridgeport Conn
Landers Frary & Clark New Britain Conn
Westinghouse Elec & Mfg Co 306 Fourth Av Pittsburgh 30 Pa

IRONINGBOARDS—see Boards, ironing

IRONS—soldering

Wm L Barrett Co 34 School St Bristol Conn
Otto Bernz Co Rochester N Y
Eagle Electric Mfg Co Inc 23-10 Bridge Plaza South Long Island City 1 N Y
Electric Soldering Iron Co Inc Deep River Conn
Everhot Mfg Co Maywood Ill
Hexacon Electric Co Roselle Pk N J
Ideal Industries Inc Sycamore Ill
Lenk Mfg Co Newton Lower Falls Mass
Revere Copper and Brass Inc 230 Park Av NY 17 NY
The Stanley Wks New Britain Conn (64)
Vulcan Electric Co Danvers Mass
A H Waage Electric Co 54 Park Place New York 7 N Y

JACKS—adjustable wood-steel

M & M Wire Clamp Co 983-17th Av S E Minneapolis 14 Minn
Newark Ladder & Bracket Sales Co Inc 657 S 13th Newark 3 NJ
John S Tilley Ladders Co Inc Watervliet NY

JACKS—floor raising post, adjustable

Industrial & Home Products Inc Akron Ohio

JACKS—house moving

American Skein & Fdry Co Racine Wis
Duff-Norton Mfg Co Pittsburgh Pa
Joyce Cridland Co Dayton O
Stimmel Winch Co 37-24 33rd Long Island City 1 N Y
Templeton Kenly & Co 1020 S Central Chgo Ill

JACKS—ladder

W W Babcock Co Inc Bath N Y
Bauer Mfg Co Wooster O
Davenport Ladder Co 2365 McKinley Av Davenport Ia
Michigan Ladder Co Ypsilanti Mich
Newark Ladder & Bracket Sales Co Inc 657 S 13th Newark 3 NJ
Ridgely Trimmer Co Springfield Ohio
John S Tiley Ladders Co Inc Watervliet N Y
Wagner Mfg Co Cedar Falls Iowa
Warner Mfg Co 801 16th Av SE Minneapolis 14 Minn

JOINTERS—saw

American Saw Mill Mchry Co Hackettstown N J (218)
E C Atkins & Co Indianapolis Ind
Boice Crane Co Toledo 6 O
Crescent Machine Co Leetonia O
Henry Disston & Sons Inc Tacony Philadelphia 35 Pa
Franklin Tool Co Buffalo N Y
L Power & Company 2815 Oakford Philadelphia 46 Pa
Prescott Co Menominee Mich
Sandvik Saw & Tool Corp 47 Warren NY NY
E C Stearns & Co Syracuse N Y
Stetson-Ross Machine Co Seattle 4 Wash
J D Wallace & Co 153 S California Chgo 12 Ill

KEY BLANKS

Atlas-Ansonia Co North Haven Conn
P & F Corbin Mfg Co New Britain Conn (201)
Lockwood Hdwe Mfg Co Fitchburg Mass (163)
Master Lock Co Milwaukee Wis
Sager Lock Works Div of the Yale & Towne Mfg Co North Chicago Ill
Slaymaker Lock Co Lancaster Pa
Yale & Towne Mfg Co Stamford Conn

KNIVES—high speed

E C Atkins & Co Indianapolis 9 Ind
Circo Tool Co Milwaukee 3 Wis
Henry Disston & Sons Inc Tacony Philadelphia 35 Pa
Ekstrom, Carlson & Coe Rockford Ill
E T Lippert Saw Co Pittsburgh 9 Pa
Oliver Machinery Co Grand Rapids 2 Mich
Simonds Saw & Stl Co Fitchburg Mass (52)
S A Woods Machine Co Boston 27 Mass

KNIVES—machine

American Knife Co Baldwinsville N Y
E C Atkins & Co Indianapolis Ind
Circo Tool Co Milwaukee 3 Wis
Henry Disston & Sons Inc Tacony Philadelphia 35 Pa
Huther Bros Saw Mfg Co Rochester N Y
E T Lippert Saw Co Pittsburgh 9 Pa
Oliver Machinery Co Grand Rapids 2 Mich
Simonds Saw & Stl Co Fitchburg Mass (52)
Taylor Stiles & Co Riegelsville N J (218)
S A Woods Machine Co Boston 27 Mass
Woodworkers Tool Wks 222 S Jefferson Chgo Ill
Yates American Mach Co Beloit Wis

KNIVES—putty

Atlas-Ansonia Co North Haven Conn
Bridgeport Hdwe Mfg Corp Bridgeport Conn
Cattaraugus Cutlery Co Little Valley N Y
Clyde Cutlery Co Clyde O
Fletcher Terry Co Forestville Conn (160)
Forsberg Mfg Co Bridgeport Conn
Glaziers Tool Mfg Co 611 W Adams Chgo Ill
Goodell Co Antrim N H
Lamson & Goodnow Mfg Co Shelburne Falls Mass
Landers Frary & Clark New Britain Conn
Murray-Black Co Springfield O
Oxford Tool Co Phil 22 Pa
Red Devil Tools Irvington 11 NJ (139)
Ridgely Trimmer Co Springfield Ohio
Russell Harrington Cutlery Co Southbridge Mass
United Wire Goods Mfg Co Inc 1150 Broadway NY NY
Warner Mfg Co 801 16th Av SE Minneapolis 14 Minn

KNIVES—veneer

E. C. Atkins & Co Indianapolis Ind
Henry Disston & Sons Inc Tacony Philadelphia 35 Pa
Simonds Saw & Stl Co Fitchburg Mass (52)

KNOBS—brass & bronze

American Cabinet Hdwe Corp Rockford Ill. (11)
Barrows Lock Wks Div of The Yale & Towne Mfg Co No Chgo Ill
Best Universal Lock Co 10 No Senate Indianapolis 4 Ind
Champion Hdwe Co Geneva O
J Chesler & Sons Co 41 Varick av Brooklyn N Y
The Columbus Brass Mfg Co Columbus 16 Ohio
P & F Corbin New Britain Conn 201
Erco Mfg Co 4010 W Montrose Av Chgo Ill
Fiwale Equipment Mfg Co 165 Church NY 7 NY
H S Getty & Co Inc Phil Pa
Lawrence Bros Sterling Ill
Lockwood Hdwe Mfg Co Fitchburg Mass (163)
Natl Brass Co Grand Rapids Mich
National Hardware Co 86-30 103rd Av NY NY
Natl Lock Co Rockford Ill (15)
Norwalk Lock Co 395 Broadway NY 13 NY
Pacific Plastic & Mfg Co Inc Los Angeles Cal
S Parker Hardware Mfg Co 27 Ludlow New York 2 N Y
Reflector Hdwe Corp Western Av & 22nd Pl Chgo Ill
Penn Hdwe Co Reading Pa
Russell & Erwin Div The American Hardware Corp New Britain Conn (202)
Safe Padlock & Hdwe Co Lancaster Pa
Sager Lock Wks of Yale & Towne Mfg Co No Chgo Ill
Sargent & Co New Haven Conn
The Stanley Wks New Britain Conn (64)
Technical Glass Co Inc 2050 E 48th Los Angeles 11 Cal
Yale & Towne Mfg Co Stamford Conn

KNOBS—enameled

American Cabinet Hardware Corp Rockford Ill (11)
Lockwood Hdwe Mfg Co Fitchburg Mass (163)
National Lock Co Rockford Ill (15)
Penn Hdwe Co Reading Pa
Russell & Erwin Div The American Hardware Corp New Britain Conn (202)
Yale & Towne Mfg Co Stamford Conn

KNOBS—glass

American Cabinet Hdwe Corp Rockford Ill (11)
Barrows Lock Wks Div of The Yale & Towne Mfg Co No Chgo Ill
Best Universal Lock Co 10 No Senate Indianapolis 4 Ind
J Chesler & Sons Co Brooklyn N Y
P & F Corbin New Britain Conn (201)
Fiwale Equipment Mfg Co 165 Church NY 7 NY
Lockwood Hdwe Mfg Co Fitchburg Mass (163)
Norwalk Lock Co 395 Broadway NY 13 NY
Pacific Plastic & Mfg Co Inc Los Angeles Cal
S Parker Hardware Mfg Co 27 Ludlow New York 2 N Y
Russell & Erwin Div The American Hardware Corp New Britain Conn (202)
Safe Padlock & Hdwe Co Lancaster Pa
Sager Lock Wks of Yale & Towne Mfg Co No Chgo Ill
Technical Glass Co Inc Los Angeles Cal
Yale & Towne Mfg Co Stamford Conn

KNOBS—plastic

Fiwale Equipment Mfg Co 165 Church NY 7 NY
Modern Plastic Co Los Angeles Cal
Natl Brass Co Grand Rapids Mich

Number in parenthesis indicates page on which advertisement appears

National Hardware Co 86-30 103rd Av NY NY
Pacific Plastic & Mfg Co Inc Los Angeles Cal

KNOCKERS—door

Barrows Lock Wks Div of The Yale & Towne Mfg Co No Chgo Ill
Best Universal Lock Co 10 No Senate Indianapolis 4 Ind
Champion Hdwe Co Geneva O
J Chesler & Sons Co 41 Varick av Brooklyn N Y
Colonial Brass Co Middleboro Mass
P & F Corbin New Britain Conn (201)
Lockwood Hdwe Mfg Co Fitchburg Mass (163)
McKinney Mfg Co Pittsburgh Pa (197)
Norwalk Lock Co 395 Broadway NY 13 NY
S Parker Hardware Mfg Co 27 Ludlow New York 2 N Y
Reading Hdwe Corp Reading Pa
Russell & Erwin Div The American Hardware Corp New Britain Conn (202)
Safe Padlock & Hdwe Co Lancaster Pa
Sager Lock Wks of Yale & Towne Mfg Co No Chgo Ill
Sargent & Co New Haven Conn
Slaymaker Lock Co Lancaster Pa
Yale & Towne Mfg Co Stamford Conn

LACQUER

American Marietta Co 43 E Ohio Chgo 11 Ill
Breinig Brothers Inc 1st & Harrison Hoboken N J
Devoe & Raynolds Co Inc 787 First NY NY (183)
E I du Pont de Nemours Co Wilmington Del (177)
Glidden Co Cleveland O
Grand Rapids Varnish Corp 565 Godfrey Av S W Grand Rapids 2 Mich
Great Lakes Varnish Wks Inc 2215 N Pulaski Chgo Ill
A C Horn Co 43-42 Tenth Long Island City 1 NY
Lowe Bros Co Dayton O (30-31)
John Lucas & Co Phil Pa
The Martin-Senour Co 2520 S Quarry Chgo 8 Ill
Murphy Paint Div Interchemical Corp 224 McWhorter Newark 1 N J
O'Brien Varnish Co South Bend Ind (187)
The Paraffine Companies Inc 475 Brannan St San Francisco 19 Cal
Peaslee-Gaulbert Paint & Varnish Co Louisville Ky
Pittsburgh Plate Glass Co 2000 Grant Bldg Pittsburgh 19 Pa (43)
Pratt & Lambert Inc 75 Tonawanda Buffalo 7 NY
Rogers Paint Products Inc Detroit 11 Mich
Sherwin-Williams Co Cleveland O (39)
Steelcote Mfg Co 3418 Gratiot St Louis 3 Mo (156)
Valentine & Co Inc 11 E 36th New York 16 N Y
Vita-Var Corp Newark N J (350)
The Wellman Products Co Cleveland 3 Ohio

LADDERS—wood—all types

American Ladder Co 3700 W 38th Chgo Ill
W W Babcock Co Inc Bath N Y
John Berg Mfg Co 5319 S LaSalle Chgo 9 Ill
Breyer Bros Whiting & Co Waupun Wis
J R Clark Co Minneapolis 5 Minn
Davenport Ladder Co 2365 McKinley Av Davenport Ia
A W Flint Co New Haven Conn
The Goshen Mfg Co Goshen Ind
Heider Mfg Co Carroll Ia
Holland Ladder & Mfg Co Holland Mich
Michigan Ladder Co Ypsilanti Mich
Nappanee Lbr & Mfg Co Nappanee Ind
Newark Ladder & Bracket Sales Co Inc 657 S 13th Newark 3 NJ
The Patent Scaffolding Co 1550 N Dayton Chicago 22 Ill
Rich Ladder & Mfg Co 1000 Depot St Cincinnati 4 O
Rowe Mfg Co Galesburg Ill
George J. Silbernagel S S Michigan Av Chgo 3 Ill (176)
Tacoma Lumber Fabricating Co Tacoma 1 Wash
John S Tilley Ladders Co Inc Watervliet NY
Woodenware Products Corp St Louis 1 Mo
J O Young Co Springfield 7 Mass
Zoss Ladder & Mfg Co Portland 1 Ore (58)

LAMPS & LANTERNS—gasoline pressure

American Gas Machine Co Albert Lea Minn
The Coleman Co Inc Wichita 1 Kan
Turner Brass Wks Sycamore Ill

LAMPS & LANTERNS—oil

Bradley & Hubbard Mfg Div Parker Co Meriden Conn
MacLeod Co Cincinnati O
Mantle Lamp Co of America 223 W Jackson Blvd Chgo Ill
United States Glass Co Tiffin O

LAMPS & LANTERNS—ornamental

Erco Mfg Co 4010 W Montrose Av Chgo Ill
Edwin F Guth Co St Louis 3 Mo
Chas Parker Co Meriden Conn
F P Smith Wire & Iron Wks 2346 N Clybourn Chgo Ill
Stewart Iron Wks Co Inc Cincinnati 1 O

LATCHES—door

American Cabinet Hdwe Corp Rockford Ill (11)
Barrows Lock Wks Div of The Yale & Towne Mfg Co No Chgo Ill
Best Universal Lock Co 10 No Senate Indianapolis 4 Ind
Casement Hdwe Co 406 N Wood Chgo Ill
J Chesler & Sons Co 41 Varick Av Brooklyn NY
P & F Corbin New Britain Conn (201)
Eberhard Mfg Co Div Eastern Malleable Iron Co Cleveland 4 Ohio
Erco Mfg Co 4010 W Montrose Ave Chicago 41 Ill
Fiwale Equipment Mfg Co 165 Church NY 7 NY
Frantz Mfg Co Sterling Ill (144)
H S Getty & Co Inc Philadelphia 40 Pa
Griffin Mfg Co Erie Pa
Lawrence Bros Sterling Ill
Lockwood Hdwe Mfg Co Fitchburg Mass (163)
Milwaukee Stamping Co Milwaukee 14 Wis (140)
McKinney Mfg Co Pittsburgh Pa (197)
National Brass Co Grand Rapids Mich
National Lock Co Rockford Ill (15)
Newell Mfg Co Lowell Mich
Norwalk Lock Co 395 Broadway NY 13 NY
S Parker Hardware Mfg Co 27 Ludlow New York 2 N Y
Pennsylvania Hdwe Co Reading Pa
Reading Hdwe Corp Reading Pa
Russell & Erwin Div The American Hardware Corp New Britain Conn (202)
Safe Padlock & Hdwe Co Lancaster Pa
Sager Lock Wks of Yale & Towne Mfg Co North Chicago Ill
Sargent & Co New Haven Conn
Sharon Hardware Mfg Co Sharon Pa
Shelby Spring Hinge Co Shelby O
The Stanley Wks New Britain Conn (64)
Technical Glass Co Inc Los Angeles 11 Calif
Wagner Mfg Co Cedar Falls Ia
Yale & Towne Mfg Co Stamford Conn

LATCHES—gate

J Chesler & Sons Co 41 Varick Av Brooklyn NY
P & F Corbin New Britain Conn (201)
Cyclone Fence Div American Steel & Wire Co P O Box 260 Waukegan 1 Ill
Fiwale Equipment Mfg Co 165 Church NY 7 NY
Frantz Mfg Co Sterling Ill (144)
Lawrence Bros Sterling Ill
Lockwood Hdwe Mfg Co Fitchburg Mass (163)
McKinney Mfg Co Pittsburgh Pa (197)
National Brass Co Grand Rapids Mich
Norwalk Lock Co 395 Broadway NY 13 NY
S Parker Hardware Mfg Co 27 Ludlow New York 2 N Y
Penn Hdwe Co Reading Pa
Reflector Hdwe Corp Western Av & 22nd Pl Chgo Ill
Russell & Erwin Div The American Hardware Corp New Britain Conn (202)
Safe Padlock & Hdwe Co Lancaster Pa
Sager Lock Works Div of the Yale & Towne Mfg Co North Chicago Ill
Sargent & Co New Haven Conn
Sharon Hardware Mfg Co Sharon Pa
The Stanley Wks New Britain Conn (64)
Wrightsville Hardware Co Wrightsville Pa
Yale & Towne Mfg Co Stamford Conn

LATH—composition

Celotex Corp 120 LaSalle Chgo Ill (136)
Masonite Corp 111 W Washington Chgo Ill
Wood Conversion Co St Paul Minn (18-19)

LATH—gypsum

Celotex Corp 120 S LaSalle Chgo Ill (136)
Certain-teed Prod Corp 120 S LaSalle Chgo Ill (60)
National Gypsum Co Inc Buffalo N Y (40-41)
Pacific Portland Cement Co San Francisco 6 Cal
Schumacher Wall Board Corp South Gate Cal
Sealcon Products Inc Minneapolis 2 Minn
U. S. Gypsum Co 300 W Adams Chgo 6 Ill

LATH—insulating

Armstrong Cork Co Lancaster Pa
Celotex Corp 120 S LaSalle Chgo Ill (136)
Fir-Tex Porter Bldg Portland 4 Ore
The Flintkote Co Inc 30 Rockefeller Plaza New York N Y (10)
Insulite Co Minneapolis Minn (185)
Johns-Manville Corp 22 E 40th NY NY (62-63)
Masonite Corp 111 W Washington Chgo Ill
National Gypsum Co Buffalo N Y (40-41)
Plastergon Wallboard Co 196 Philadelphia Av Buffalo 7 NY
U S Gypsum Co 300 W Adams Chgo Ill
Wood Conversion Co St Paul Minn (18-19)

LATH—metal

Alabama Metal Lath Co Birmingham 1 Ala
Bethlehem Steel Co Bethlehem Pa
The Bostwick Steel Lath Co Niles O (213)
Ceco Steel Products Corp 5701 W 26th St Chicago 50 Ill
Klauer Mfg Co Dubuque Iowa
Milcor Steel Co Milwaukee 4 Wis (161)
National Gypsum Co Buffalo N Y (40-41)
Pacific Portland Cement Co San Francisco 6 Cal
Penn Metal Co Inc 205 E 42nd NY 17 NY
Pittsburgh Steel Co Pittsburgh 30 Pa
Republic Steel Corp Cleveland 1 Ohio
St Paul Corrugating Co St Paul Minn
Sealcon Products Inc Minneapolis 2 Minn
Soule Steel Co San Francisco 24 Cal
Truscon Steel Co Youngstown 1 O
U S Gypsum Co 300 W Adams Chgo 6 Ill
Wheeling Corrugating Co Wheeling W Va (42)

LATHES—woodworking

Arcade Mfg Co Freeport Ill
Boice Crane Co Toledo O
Crescent Mach Co Leetonia O
Delta Mfg Co Milwaukee Wis
J A Fay & Egan Co 1110 Alfred Cincinnati 22 Ohio
Lewis T Kline Co Alpena Mich
Oliver Machinery Co Grand Rapids 2 Mich
Walker Turner Co Inc Plainfield N J
J D Wallace & Co 153 S California Av Chgo 12 Ill
Baxter D Whitney & Son Inc Winchendon Mass
Yates-American Machine Co Beloit Wis

LEAD—red

Atlantic Varnish & Paint Co Inc P O Box 474 Richmond Va
Devoe & Raynolds Co 787 First Av NY 17 NY (183)
The Eagle-Picher Co Cincinnati 1 Ohio
Evans Lead Co Charleston W Va
Glidden Co Cleveland O
Grand Rapids Varnish Corp 565 Godfrey Av S W Grand Rapids 2 Mich
Hammond Lead Products Inc Hammond Ind
National Lead Co 111 Broadway NY NY
Peaslee-Gaulbert Paint & Varnish Co Louisville Ky
Pittsburgh Plate Glass Co Pittsburgh Pa (43)
Seidlitz Paint & Varnish Co Kansas City 10 Mo
Wadsworth Howland & Co 141 Federal Boston Mass

LEAD—white

Acme White Lead & Color Wks 8250 St Aubin Av Detroit 11 Mich
Atlantic Varnish & Paint Co Inc P O Box 474 Richmond Va
The Eagle-Picher Co Cincinnati 1 Ohio
W P Fuller & Co 301 Mission San Fran 19 Cal
Glidden Co Cleveland O
Grand Rapids Varnish Corp 565 Godfrey Av S W Grand Rapids 2 Mich

Number in parenthesis indicates page on which advertisement appears

Inland White Lead Co 741 W Gladys Av Chgo Ill
International Smelting & Refining Co Pigment Div East Chicago Ind
Martin Senour Co 2520 Quarry Chgo Ill
National Lead Co 111 Broadway NY NY
Rogers Paint Products Inc Detroit 11 Mich
Seidlitz Paint & Varnish Co Kansas City 10 Mo

LEVEL RODS—surveying

Chicago Steel Tape Co 7956 S Chicago Av Chgo 17 Ill
Eugene Dietzgen Co 2425 N Sheffield Chgo Ill
Keuffel & Esser Co Hoboken N J
L S Starrett Co Athol Mass
Warren Knight Co Philadelphia Pa

LEVELS—carpenter

American Level Mfg Co Detroit Mich
Henry Disston & Sons Inc Tacony Philadelphia 35 Pa
Empire Level Mfg Co Milwaukee Wis
Mayes Bros Tool Mfg Inc Port Austin Mich
Millers Falls Co Greenfield Mass
Peerless Level & Tool Co Sterling Ill
Sands Level & Tool Co Detroit Mich
The Stanley Wks New Britain Conn (64)
L S Starrett Co Athol Mass

LEVELS—surveyors

Eugene Dietzgen Co 2425 N Sheffield Chgo Ill
L S Starrett Co Athol Mass
Warren Knight Co Philadelphia 7 Pa

LIFTS—lumber

American Mfg Co Inc 2119 Pacific Av Tacoma 2 Wash (234, 236)
Grand Rapids Vapor Kiln Inc Grand Rapids Mich
Hyster Co Portland 8 Ore
Joyce Cridland Co Dayton 7 Ohio
Leitelt Iron Wks Grand Rapids Mich (232)
Moore Dry Kiln Co P O Box 4248 Jacksonville 1 Fla (227)
Rotary Lift Co 1051 Kentucky St Memphis 2 Tenn
Standard Dry Kiln Co P O Box 541 Indianapolis Ind

LIFTS—sash

American Cabinet Hdwe Corp Rockford Ill (11)
Barrows Lock Wks Div of The Yale & Towne Mfg Co No Chgo Ill
Champion Hdwe Co Geneva O
P & F Corbin New Britain Conn (201)
Fiwale Equipment Mfg Co 165 Church NY 7 NY
Frantz Mfg Co Steling Ill (144)
H S Getty Co Inc Philadelphia 40 Pa
L F Grammes & Sons Inc 396 Union Allentown Pa
Griffin Mfg Co Erie Pa
H B Ives Co New Haven Conn
Knape & Vogt Mfg Co Grand Rapids Mich
Lawrence Bros Sterling Ill
Lockwood Hdwe Mfg Co Fitchburg Mass (163)
McKinney Mfg Co Pittsburgh Pa (197)
National Brass Co Grand Rapids Mich
National Hardware Co 86-30 103rd Av New York N Y
National Lock Co Rockford Ill (15)
Norwalk Lock Co 395 Broadway NY 13 NY
S Parker Hardware Mfg Co 27 Ludlow New York 2 N Y
Penn Hdwe Corp Reading Pa
Reading Hdwe Corp Reading Pa
Russell & Erwin Div The American Hardware Corp New Britain Conn (202)
Safe Padlock & Hdwe Co Lancaster Pa
Sager Lock Wks of Yale & Towne Mfg Co No Chgo Ill
Sargent & Co New Haven Conn
Sharon Hdwe Mfg Co Sharon Pa
Shelby Metal Prods Co Shelby O
Shelby Spring Hinge Co Shelby O
The Stanely Wks New Britain Conn (64)
Yale & Towne Mfg Co Stamford Conn

LIGHTING—fluorescent

Benjamin Electric Mfg Co Des Plaines Ill
Curtis Lighting Inc 6135 W 65th Chgo 38 Ill
Dazor Mfg Co St Louis Mo
Edwin F Guth Co St Louis 3 Mo
W H Long Co 425 N Clark Chgo Ill
Albert Sechrist Mfg Co Denver Colo
Tennessee Valley Associates Inc Nashville 3 Tenn
Ultramer Mfg Co 303 W Monroe Chgo Ill
Westinghouse Elec & Mfg Co 306 Fourth Av Pittsburgh 30 Pa

LIGHTING EQUIPMENT—portable

Davey Compressor Co Kent O
Dazor Mfg Co St Louis Mo
Edwin F Guth Co St Louis 3 Mo
Homelite Corp Port Chester N Y
Kato Engineering Co Mankato Minn
F D Kees Mfg Co Beatrice Neb
Universal Motor Co Oshkosh Wis
Witte Engine Works Div of Oil Well Supply Co Kansas City 3 Mo

LIGHTING FIXTURES

Curtis Lighting Inc 6135 W 65th Chgo 38 Ill
Dazor Mfg Co St Louis Mo
Diehl Mfg Co 1124 Finderne Av Somerville NJ
Edwin F Guth Co St Louis Mo
General Electric Co Schenectady NY
Graybar Electric Co Inc Graybar Bldg NY NY
Miller Co Meriden Conn
Pacific Coast Electrical & Supply Co Los Angeles Cal
Albert Sechrist Mfg Co Denver Colo
United Lighting Fixture Co San Francisco Cal
Westinghouse Electric & Mfg Co Lighting Div Cleveland Ohio
Pryne & Co Inc Los Angeles 54 Cal (recessed)

LIGHTING SYSTEMS

Benjamin Electric Mfg Co Des Plaines Ill
Buda Co Harvey Ill
Delco Appliance Div Gen'l Motors Sales Corp Rochester N Y
Fairbanks Morse & Co 600 S Michigan Av Chgo Ill (29)
Jacobs Wind Elec Co Inc Minneapolis Minn
Kohler Co Kohler Wis
Phelps Power & Light Co Rock Island Ill
Pioneer Gen-E-Motor Corporation 5841 W Dickens Chgo 39 Ill
Universal Motor Co Oshkosh Wis
Westinghouse Elec & Mfg Co East Pittsburgh Pa
Wincharger Corp Sioux City Ia
Winpower Mfg Co Newton Iowa

LIGHTNING RODS

American Lightning Rod Co Lincoln Neb
Burkett Lightning Rod Co Fremont Ohio
Dooley Lightning Rod Co Topeka Kan
Electra Protection Co Inc Albany NY
Independent Protection Co Inc Goshen Ind
Mast Lightning Conductor Co Columbus Ohio
Ohio Lightning Rod Co West Milton O
Robbins Lightning Protection Co Maryville Mo
West Dodd Lightning Conductor Corp 1457 W Norwood Chicago Ill

LIME—agricultural

Celotex Corp 120 S LaSalle Chgo Ill (136)
Henry Cowell Lime & Cement Co San Francisco Cal
Gibsonburg Lime Prods Co Gibsonburg O
Kelley Island Lime & Transport Co 1122 Leader Bldg Cleveland 14 Ohio
Louisville Cement Co Inc 315 Guthrie Louisville 2 Ky
Marblehead Lime Co 160 N La Salle Chgo Ill
Mission Lime Prods Corp Los Angeles Cal
National Gypsum Co Buffalo N Y (40-41)
National Lime & Stone Co Findlay O
National Mortar & Supply Co Pittsburgh Pa
Ohio Hydrate & Supply Co Woodville O
Sealcon Products Inc Minneapolis 2 Minn
Standard Lime & Stone Co Baltimore Md
United States Gypsum Co 300 W Adams Chgo Ill
Woodville Lime Prods Co Toledo O

LIME—finishing

Celotex Corp 120 S LaSalle Chgo Ill (136)
Henry Cowell Lime & Cement Co 2 Market San Fran 11 Cal
Fairmont Wall Plaster Co Fairmont W Va
Gibsonburg Lime Prods Co Gibsonburg O
Kelley Island Lime & Transport Co 1122 Leader Bldg Cleveland 14 Ohio
Marblehead Lime Co 160 N LaSalle Chgo Ill
Mission Lime Prods Corp Los Angeles Cal
National Gypsum Co Buffalo N Y (40-41)
National Lime & Stone Co Findlay O
National Mortar & Supply Co Pittsburgh Pa
Ohio Hydrate & Supply Co Woodville O
Sealcon Products Inc Minneapolis 2 Minn
United States Gypsum Co 300 W Adams Chgo Ill
Woodville Lime Prods Co Toledo O

LIME—masons hydrated

Celotex Corp 120 S LaSalle Chgo Ill (136)
Fairmont Wall Plaster Co Fairmont W Va
Gibsonburg Lime Prods Co Gibsonburg O
Kelley Island Lime & Transport Co 1122 Leader Bldg Cleveland 14 Ohio
Louisville Cement Co Inc 315 Guthrie Louisville 2 Ky
Marblehead Lime Co 160 N LaSalle Chgo Ill
Mission Lime Prods Corp Los Angeles Cal
National Gypsum Co Buffalo N Y (40-41)
National Lime & Stone Co Findlay O
National Mortar & Supply Co Pittsburgh Pa
Ohio Hydrate & Supply Co Woodville O
Riverton Lime & Stone Co Inc Riverton Va
Sealcon Products Inc Minneapolis 2 Minn
United States Gypsum Co 300 W Adams Chgo Ill
Woodville Lime Prods Co Toledo O

LIME—pebble

Kelley Island Lime & Transport Co 1122 Leader Bldg Cleveland 14 Ohio
Louisville Cement Co Inc 315 Guthrie Louisville 2 Ky
Marblehead Lime Co 160 N LaSalle Chgo Ill
Mission Lime Products Corp Los Angeles 12 Cal
National Gypsum Co Buffalo N Y (40-41)
U S Gypsum Co 300 W Adams Chgo 6 Ill

LINING POLES—surveying

Chicago Steel Tape Co 7956 S Chicago Av Chgo 17 Ill
Eugene Dietzgen So 2425 N Sheffield Av Chgo Ill
Kueffel & Esser Hoboken N J
Frederick Post Co 155 E Ohio Chgo Ill
L S Starrett Co Athol Mass
Warren Knight Co Philadelphia Pa

LINOLEUM

Paraffine Companies Inc San Francisco Cal
Armstrong Cork Co Lancaster Pa
Congoleum-Nairn Inc Kearny N J
Delaware Floor Products Inc Wilmington Del

LINTELS—steel

Adams Co Dubuque Ia
Bennett-Ireland Norwich NY (196)
Decatur Iron & Steel Co Decatur Ala
The Donley Bros Co 13928 Miles Av Cleveland 5 Ohio (221)
Gabriel Steel Co Detroit 12 Mich
Majestic Co Huntington Ind
Michel & Pfeffer Iron Wks Inc 1415 Harrison San Fran 3 Cal
Republic Steel Corp Berger Mfg Div Canton 5 Ohio
Southern Wire & Iron Wks 441 Memorial Dr S E Atlanta Ga
Truscon Steel Co Youngstown 1 O

LOCKERS

All-Steel Equipment Co Aurora Ill
Curtis Cos Inc Clinton Ia (12)
Lyon Metal Prod Inc Aurora Ill

Number in parenthesis indicates page on which advertisement appears

Morgan Co Oshkosh Wis
Narragansett Machine Co Providence 1 RI
Republic Steel Corp Cleveland 1 Ohio
Segelke & Kohlhaus Co La Crosse Wis
Universal Steel Equipment Corp 135 W 23rd NY NY

LOCKS—door

Barrows Lock Wks Div of The Yale & Towne Mfg Co No Chgo Ill
Bemis & Call Co Springfield Mass
Best Universal Lock Co 10 No Senate Indianapolis 4 Ind
J Chesler & Sons Co 41 Varick Av Brooklyn NY
P & F Corbin Co New Britain Conn (201)
Eberhard Mfg Co Div Eastern Malleable Iron Co Cleveland 4 Ohio
Fiwale Equipment Mfg Co 165 Church NY 7 NY
Frantz Mfg Co Sterling Ill (144)
H S Getty & Co Inc Philadelphia 40 Pa
Independent Lock Co Fitchburg Mass (163)
Lockwood Hdwe Mfg Co Fitchburg Mass
Master Lock Co Milwaukee Wis
National Lock Co Rockford Ill (15)
Norwalk Lock Co 395 Broadway NY 13 NY
Pacific Plastic & Mfg Co Inc Los Angeles Cal
Penn Hdwe Co Reading Pa
Reading Hdwe Co Reading Pa
Reflector Hdwe Corp Western Av & 22nd Pl Chgo Ill
Russell & Erwin Div The American Hdw Corp New Britain Conn (202)
Safe Padlock & Hdwe Co Lancaster Pa
Sager Lock Wks of Yale & Towne Mfg Co No Chgo Ill
Sargent & Co New Haven Conn
Schlage Lock Co San Francisco 19 Cal
Segal Lock & Hdwe Co Inc 395 Broadway NY 13 NY
Yale & Towne Mfg Co Stamford Conn

LOCKS—sash

American Cabinet Hdwe Corp Rockford Ill (11)
Barrows Lock Wks Div of The Yale & Towne Mfg Co No Chgo Ill
P & F Corbin New Britain Con (201)
Champion Hdwe Co Geneva O
Erco Mfg Co 4010 W Montrose Av Chgo Ill
W H Fabry Mfg Co Inc Alhambra Cal
Fiwale Equipment Mfg Co 165 Church NY 7 NY
Frantz Mfg Co Sterling Ill (144)
H S Getty & Co Inc Philadelphia Pa
Lafayette Metal Products Co Oakland Cal
Latch Lock Mfg Co St Paul 4 Minn (storm & screen)
Lawrence Bros Sterling Ill
Lockwood Hdwe Mfg Co Fitchburg Mass (163)
McKinney Mfg Co Pittsburgh Pa (197)
National Brass Co Grand Rapids Mich
National Hardware Co 86-30 103rd Av NY NY
National Lock Co Rockford Ill (15)
Norwalk Lock Co 395 Broadway NY 13 NY
S Parker Hardware Mfg Co 27 Ludlow NY 2 NY
Penn Hdwe Co Reading Pa
Reading Hdwe Corp Reading Pa
Russell & Erwin Div The American Hdw Corp New Britain Conn (202)
Safe Padlock & Hdwe Co Lancaster Pa
Sager Lock Wks of Yale & Towne Mfg Co No Chgo Ill
Sargent & Co New Haven Conn
Sharon Hdwe Mfg Co Sharon Pa
Shelby Metal Prods Co Shelby O
Shelby Spring Hinge Co Shelby O
Yale & Towne Mfg Co Stamford Conn

LOCKS—tubular

Best Universal Lock Co 10 No Senate Indianapolis 4 Ind
J Chesler & Sons Co 41 Varick Av Brooklyn NY
P & F Corbin New Britain Conn (201)
Fiwale Equipment Mfg Co 165 Church NY 7 NY
National Brass Co Grand Rapids Mich
National Hardware Co 86-30 103rd Av NY NY
Penn Hdwe Co Reading Pa
Reading Hdwe Corp Reading Pa
Russell & Erwin Div The American Hdw Corp New Britain Conn (202)
Safe Padlock & Hdwe Co Lancaster Pa
Sager Lock Works Div of the Yale & Towne Mfg Co North Chicago Ill
Sargent & Co New Haven Conn
Technical Glass Co Inc Los Angeles 11 Cal
Yale & Towne Mfg Co Stamford Conn

LOG CABIN SIDING

(See lumber section beginning page 306

LOG LOADERS

Allis-Chalmers Mfg Co Milwaukee Wis (152)
American Hoist & Derrick Co St Paul 1 Minn
Chain Belt Co Milwaukee 4 Wis
Clyde Iron Works Inc Duluth 1 Minn
Filer & Stowell Co Milwaukee Wis
Hesse-Ersted Iron Works Portland Ore
Drott Mfg Corp Milwaukee 9 Wis
Jeffrey Mfg Co Columbus Ohio
Lidgerwood Mfg Co Elizabeth B N J
Link-Belt Co 300 W Pershing Rd Chgo 9 Ill
Hyster Co Portland 8 Ore
Taylor Machine Works Louisville Miss (combination loader & skidder) (6)
The Wheland Co Chattanooga 2 Tenn
Washington Iron Works Seattle 4 Wash

LOG SKIDDERS

Clyde Iron Works Inc Duluth 1 Minn
Corley Mfg Co Chattanooga Tenn (174)
Dorsey Bros Elba Ala
Drott Mfg Corp Milwaukee 9 Wis
Lidgerwood Mfg Co Elizabeth B N J
Lindsey Wagon Co Laurel Miss
Taylor Machine Works Louisville Miss (combination loader & skidder) (6)
Washington Iron Works Seattle 4 Wash

LOG SKIDDERS—two wheel, self loading

Lindsey Wagon Co Laurel Miss

LOG TURNERS

Allis-Chalmers Mfg Co Milwaukee Wis (152)
American Mfg Co Inc 2119 Pacific Av Tacoma 2 Wash (234-236)
Corinth Machinery Co Corinth Miss (171)
Corley Mfg Co Chattanooga 1 Tenn (174)
A B Farquhar Co York Pa
The Filer & Stowell Co Milwaukee 7 Wis
Soule Steam Feed Wks Meridian Miss

LOGGING ARCHES

Hyster Co Portland 8 Ore
Isaacson Iron Wks Seattle Wash

LOGGING SULKIES

Hyster Co Portland 8 Ore
Washington Iron Works Seattle 4 Wash

LOUVRES—attic ventilating

Arr-O-Line Manufacturers Minneapolis 8 Minn (196)
Bennett-Ireland Norwich N Y (196)
Bilco Mfg Co New Haven 6 Conn (184)
Carr Adams & Collier Co Dubuque Ia (23)
Gedge Bros Steel Roofing Co Anderson Ind
Clay Equipment Corp Cedar Falls Iowa
Cole Mfg Co P O Box 2657 Memphis 2 Tenn
Curtis Cos Inc Clinton Ia (12)
The Donley Bros Co 13928 Miles Av Cleveland 5 Ohio (221)
Farley & Loetscher Mfg Co Dubuque Ia
Fordyce-Crossett Sales Co Fordyce Ark
Gregg & Son Nashua N H
Ideal Co Box 889 Waco Tex
Majestic Co Huntington Ind
Milcor Steel Co Milwaukee 4 Wis (161)
Morgan Co Oshkosh Wis
Roach-Musser Co Muscatine Ia
George J Silbernagel 8 S Michigan Av Chgo 3 Ill (176)
The Swartwout Co Cleveland 12 Ohio

LUMBER BUGGIES

Electric Wheel Co Quincy Ill

LUMBER CARRIERS

Dallas Mach & Locomotive Wks Dallas Ore
Hyster Co Portland 8 Ore
Pointer-Willamette Co Portland 5 Ore
Ross Carrier Co Benton Harbor Mich (193)

LUMBER MAILING LISTS

Lumbermen's Credit Assn Inc 698 S Dearborn St Chicago 5 Ill (175)

LUMBER PILERS

Phil Franklin Leavenworth Wash

LUMBER TREATING

American Creosoting Co Inc Louisville Ky
American Lumber & Treating Co 332 S Michigan Av Chgo Ill (142)
Atlantic Creosoting Co Inc 17 Battery Pl NY NY
Colonial Creosoting Co Louisville Ky
Commercial Creosoting Co Longview Tex
Crosby Lbr & Mfg Co Crosby Miss
Eppinger & Russell Co 80 8th NY NY
Federal Creosoting Co Louisville Ky
Florida Wood Preserving Co Pensacola Fla
Fordyce-Crossett Sales Co Fordyce Ark
Forest Products Treating Co Portland 5 Ore
Georgia Creosoting Co Louisville Ky
Gulfport Creosoting Co Gulfport Miss
Gulf States Creosoting Co Hattiesburg Miss
Indiana Creosoting Co Louisville Ky
Indiana Wood Preserving Co Terre Haute Ind
International Creosoting & Construction Co Galveston Tex
Iowa Wood Preserving Co 29 E Madison Chgo Ill
Keystone Wood Preserving Co Philadelphia Pa
Koppers Company Inc Wood Preserving Div Pittsburgh 19 Pa
Long-Bell Lbr Co Kansas City Mo
McKeown Bros Co 5235 S Keeler Av Chgo Ill
Wm C Meredith Co Inc Atlanta Ga
T R Miller Mill Co Inc Brewton Ala
T J Moss Tie Co St Louis Mo
National Pole & Treating Co Minneapolis Minn
Nebraska Bridge Supply & Lumber Co Omaha 5 Neb
Pope & Talbot Inc Lbr Div Portland Ore
Protection Products Mfg Co Kalamazoo Mich
Protexol Corp Kenilworth N. J (228)
Reilly Tar & Chemical Corp Indianapolis 4 Ind
Republic Creosoting Co Indianapolis 4 Ind
Shreveport Creosoting Co Louisville Ky
Solvay Sales Corp 40 Rector New York 6 N Y
Southern Wood Preserving Co Atlanta Ga
Southwestern Creosoting Co Muskogee Okla
Taylor-Colquitt Co Spartanburg S C
Texas Creosoting Co Orange Tex (208)
West Coast Wood Preserving Co Seattle Wash
Wood Treating Chemicals Co St Louis Mo
Wyandotte Chemicals Corp Wyandotte Mich
Wyoming Tie & Timber Co 400 W Madison Chgo Ill

MACHINERY—box & crate

Beach Mfg Co Montrose Pa
Chattanooga Mchy Co Chattanooga Tenn
Chase Turbine Mfg Co Orange Mass
DeWalt Prod Corp Lancaster Pa (141)
The Master Woodworker Mfg Co Inc 409 E Fort Detroit 26 Mich
Palmer Mchy Co Jacksonville Fla
Prescott Co Menominee Mich
Saranac Industries Benton Harbor Mich
Baxter D Whitney & Son Inc Winchendon Mass
S A Woods Machine Co Boston 27 Mass

MACHINERY—briquetting

Wood Briquettes Inc Lewiston Idaho

MACHINERY—excelsior making

Crescent Excelsior Machinery Co Indianapolis Ind
Indianapolis Excelsior Machinery Co Indianapolis Ind
Lewis T Kline Co Alpena Mich
Mitts & Merrill Saginaw Mich

MACHINERY—logging

American Mfg Co Inc Tacoma 2 Wash (234-236)
Chase Turbine Mfg Co Orange Mass
Hyster Co Portland 8 Ore
Pointer-Willamette Co Portland 5 Ore
Lidgerwood Mfg Co Elizabeth N J
Taylor Machine Works Louisville Miss (6)
Washington Iron Works Seattle 4 Wash

Number in parenthesis indicates page on which advertisement appears

MACHINERY—planing mill

American Mfg Co Inc 2119 Pacific Av Tacoma 2 Wash (234-236)
American Sawmill Mchy Co Hackettstown N J (218)
Beach Mfg Co Montrose Pa
Boice Crane Co Toledo 6 O
Buss Machine Wks Holland Mich
Chase Turbine Mfg Co Orange Mass
DeWalt Prod Corp Lancaster Pa (141)
J A Fay & Egan Co 1110 Alfred Cincinnati 22 Ohio
Hyster Co Portland 8 Ore
Mattison Mach Wks Rockford Ill
McDonough Mfg Co Eau Claire Wis
Stetson-Ross Mach Co Seattle 4 Wash
Vonnegut Moulder Corp Indianapolis Ind
Baxter D Whitney & Son Inc Winchendon Mass
S A Woods Machine Co Boston 27 Mass
Yates-American Mach Co Beloit Wis

MACHINERY—sawmill

Allis-Chalmers Mfg Co Milwaukee Wis (152)
American Mfg Co Inc 2119 Pacific Av Tacoma 2 Wash (234-236)
American Sawmill Mchy Co Hackettstown N J (218)
Bennett-Ireland Norwich N Y (196)
Corley Mfg Co Chattanooga Tenn (174)
Corinth Machinery Co Corinth Miss (171)
Cunningham Mchy Co Shreveport La (218)
Enterprise Co Columbiana O (218)
J A Fay & Egan Co 1110 Alfred Cincinnati 22 Ohio
The Filer & Stowell Co Milwaukee 7 Wis
Frick Co Waynesboro Penna
Gordon Hollow Blast Grate Co Greenville Mich
R R Howell Co Minneapolis 14 Minn
Kent Mach Co Cuyahoga Falls O (218)
Lane Mfg Co Montpelier Vt (146)
McDonough Mfg Co Eau Claire Wis (152)
Mitts & Merrill Saginaw Mich
D J Murray Mfg Co Wausau Wis
Prescott Co Menominee Mich
Wheland Co Chattanooga Tenn
Wickes Bros Saginaw Mich
S A Woods Machine Co Boston 27 Mass

MACHINERY—sawmill, portable

American Saw Mill Mchy Co Hackettstown N J (218)
Beach Mfg Co Montrose Pa
Bennett-Ireland Norwich N Y (196)
Chase Turbine Mfg Co Orange Mass
C H & E Mfg Co Milwaukee 12 Wis
Corinth Machinery Co Corinth Miss (171)
Corley Mfg Co Chattanooga 1 Tenn (174)
Cunningham Machinery Co Shreveport La (218)
DeWalt Prod Corp Lancaster Pa (141)
A B Farquhar Co York Pa
Frick Co Waynesboro Penna
Hyster Co Portland 8 Ore
Kent Machine Co Cuyahoga Falls O (218)
Lane Mfg Co Montpelier Vt (146)
The Master Woodworker Mfg Co Inc 409 E Fort Detroit 26 Mich
Wheland Co Chattanooga Tenn

MACHINERY—shingle

Acme Staple Co Camden N J
Chase Turbine Mfg Co Orange Mass
Corley Mfg Co Chattanooga Tenn (174)
Lane Mfg Co Montpelier Vt (146)
Prescott Co Menominee Mich

MACHINERY—veneer & plywood

American Mfg Co Inc 2119 Pacific Av Tacoma 2 Wash (234-236)
Beach Mfg Co Montrose Pa
Black Bros Co Inc Mendota Ill
Handy Mfg Co 2432 W Lawrence Chgo Ill
Merritt Eng & Sales Co Lockport N Y

MACHINERY—wood flour

Allington & Curtis Mfg Co Saginaw Mich
Allis-Chalmers Mfg Co Milwaukee 1 Wis (152)
Bauer Bros Co Springfield Ohio
Pulverizing Machinery Co Summit N J
Williams Patent Crusher & Pulverizer Co St Louis Mo

MACHINERY—woodworking

American Mfg Co Inc 2119 Pacific Av Tacoma 2 Wash (234-236)
American Saw Mill Mchy Co Hackettstown N J (218)
Beach Mfg Co Montrose Pa
Bignell Machine Co Grand Rapids Mich
Black Bros Co Inc Mendota Ill
Boice Crane Co Toledo 6 Ohio
Buss Machine Wks Holland Mich
Chase Turbine Mfg Co Orange Mass
Chattanooga Mchy Co Chattanooga Tenn
Circo Tool Co Milwaukee 3 Wis
C K L Machinery Co Oshkosh Wis
Crescent Machine Co Leetonia O
Defiance Mach Wks Defiance O
Delta Mfg Co Milwaukee 1 Wis
DeWalt Prod Corp Lancaster Pa (141)
Ekstrom, Carlson & Coe Rockford Ill
J A Fay & Egan Co 1110 Alfred Cincinnati 22 Ohio
The Filer & Stowell Co Milwaukee 7 Wis
Greenlee Bros & Co Rockford Ill
Handy Mfg Co 2432 W Lawrence Chgo Ill
Hermance Machine Co Williamsport Pa
E & B Holmes Mchy Co Buffalo N Y
Jenkins Mchy Co Sheboygan Falls Wis
Lewis T Kline Co Alpena Mich
McDonough Mfg Co Eau Claire Wis (152)
Mall Tool Co 7733 S South Chicago Av Chgo Ill (51)
The Master Woodworker Mfg Co Inc Detroit 26 Mich
Mattison Machine Works Rockford Ill
Muskegon Mach Co Newburgh N Y
Newman Bros Inc Cincinnati 3 Ohio
Newman Mach Co Greensboro N C
Oliver Machinery Co Grand Rapids 2 Mich
Onsrud Mach Wks Inc 3910 W Palmer Chgo Ill
Parks Woodworking Mach Co Cincinnati O
Paxson Co Dowagiac Mich
Porter Cable Mach Co Syracuse N Y
C O Porter Mchy Co Grand Rapids Mich
Red Star Products Inc Cleveland O
Samuel J Shiner & Sons Inc Milton Pa (Cutter Heads)
Skilsaw Inc 5033 Elston Av Chgo 30 Ill (232)
The Stanley Wks New Britain Conn (64)
Stetson-Ross Mach Co Seattle Wash
Vonnegut Moulder Corp Indianapolis 2 Ind
Walker Turner Co East Plainfield N J
J D Wallace & Co 134 S California Av Chgo Ill
Baxter D Whitney & Son Inc Winchendon Mass
The Wellman Products Co Cleveland 3 O
S A Woods Machine Co Boston 27 Mass
Woodworkers Tool Wks 222 S Jefferson Chgo Ill
Yates-American Mach Co Beloit Wis

MACHINERY—woodworking, homecraft

Delta Mfg Co Milwaukee 1 Wis
DeWalt Prod Corp Lancaster Pa (141)
Heston & Anderson Fairfield Ia
The Master Woodworker Mfg Co Inc Detroit 26 Mich
Newman Bros Inc 660 W 4th Cincinnati 3 Ohio
Parks Woodworking Mach Co Cincinnati O
Skilsaw Inc 5033 Elston Av Chgo 30 Ill (232)
The Wellman Products Co Cleveland 3 O

MACHINES—floor waxing & polishing

American Floor Surfacing Machine Co Toledo 3 Ohio
Atlas Floor Surfacing Mach Corp 248 E 34th NY 16 NY
Donald Durham Co Des Moines 4 Ia (237)
Fay Floor Mach Co 279 Fifth Av NY NY
Finnell System Inc Elkhart Ind
Gen'l Floorcraft Inc 333 Sixth Av NY NY
Hild Floor Mach Co 1313 W Randolph Chgo Ill
Hilger Co St Cloud Minn
Holt Mfg Co Oakland Cal
Industrial Chemical Laboratories Ltd Omaha 2 Neb
S C Johnson & Son Racine Wis
Kent Co Inc Rome N Y
Landers Frary & Clark New Britain Conn
Lincoln-Schlueter Floor Mchy Co 512 S Peoria Chicago Ill
Porter Cable Machine Co Syracuse N Y

MACHINES—lumber piling

American Mfg Co Inc 2119 Pacific Av Tacoma 2 Wash (234-236)
Bradney Machine Co Inc Middletown N Y
Hyster Co Portland 8 Ore
Johnson Mfg Co Seattle Wash
Moore Dry Kiln Co P O Box 4248 Jacksonville 1 Fla (227)
Standard Dry Kiln Co P O Box 541 Indianapolis Ind

MACHINES—unit lumber piling

Ross Carrier Co Benton Harbor Mich (193)
Hyster Co Portland 8 Ore

MAIL BOXES-built-in, residence & apartment

American Device Mfg Co Red Bud Ill
Champion Hdwe Co Geneva O
Geo F Collins & Co Sapulpa Okla
Columbia Metal Box Co 260 E 143rd St New York 51 N Y
Dayton Pattern & Mfg Co Dayton O
The Donley Bros Co 13928 Miles Av Cleveland 5 Ohio (221)
Erco Mfg Co 4010 W Montrose Av Chgo Ill
Fiwale Equipment Mfg Co 165 Church NY 7 NY
Mail Safe Mfg Co St Paul 4 Minn
Majestic Co Huntington Ind
Metal Prod Corp West Haven Conn
McKinney Mfg Co Pittsburgh Pa (197)
Northwestern Products Co St Louis 3 Mo
Penn-Greg Mfg Co Minneapolis 3 Minn
Slaymaker Lock Co Lancaster Pa

MANTELS—wood

Angel Novelty Co Fitchburg Mass
Carr Adams & Collier Co Dubuque Ia (23)
Cole Mfg Co P O Box 2657 Memphis 2 Tenn
Columbia Mantel Co Inc 845 S 9th Louisville 3 Ky
Curtis Cos Inc Clinton Ia (12)
Farley & Loetscher Co Dubuque Ia
Gregg and Son Nashua N H
Huttig Sash & Door Co St Louis Mo
Ideal Co Box 889 Waco Tex
Marquart Millwork Co Oshkosh Wis (219)
Morgan Co Oshkosh Wis
The Radford Co Oshkosh Wis
The Readybuilt Products Co 1707 McHenry Baltimore 23 Md
Roach & Musser Co Muscatine Ia
Stanley Tools New Britain Conn (64)
Rock Island Sash & Door Works Rock Island Ill
Segelke & Kohlhaus Co La Crosse Wis

MASONS' SUPPLIES

Acme Tool Works Inc Seattle Wash
W W Babcock Co Bath N Y
J A Fay & Egan Co Cincinnati Ohio
Fayette R Plumb Inc Philadelphia 37 Pa
Henry Disston & Sons Inc Philadelphia 35 Pa
Huther Bros Saw Mfg Co Inc Rochester N Y
M & M Wire Clamp Co Minneapolis Minn
Stanley Tools New Britain Conn (64)
The Robinson Clay Product Co Akron 8 Ohio
United States Gypsum Co 300 W Adams Chgo 6 Ill
Vaughan & Bushnell Mfg Co 135 S LaSalle Chgo Ill

MESH—wire

American Steel & Wire Co Cleveland O (165)
Columbia Steel Co Russ Bldg San Fran 6 Cal (165)
Cyclone Fence Div American Steel & Wire Co P O Box 260 Waukegan Ill
Keystone Steel & Wire Co Peoria Ill
Northwestern Steel & Wire Co Sterling Ill
Pittsburgh Steel Co Pittsburgh 30 Pa
Republic Steel Corp Cleveland 1 Ohio
Sealcon Products Inc Minneapolis 2 Minn
Southern Wire & Iron Wks 441 Memorial Dr S E Atlanta Ga
Truscon Steel Co Youngstown Ohio
Wheeling Corrugating Co Wheeling W Va (42)
Wickwire Bros Cortland N Y (158)
Wickwire Spencer Steel A Div of The Colorado Fuel & Iron Corp 500 Fifth Av New York 18 N Y (66)

Number in parenthesis indicates page on which advertisement appears

METERS—feed water

Brown Instrument Co 4419 Wayne Av Philadelphia 44 Pa
Foxboro Co Foxboro Mass
Neptune Meter Co 50 W 50th New York 20 N Y
Republic Flow Meters Co 2240 W Diversey Chgo Ill
Taylor Instrument Co Rochester 1 N Y

METERS—steam

American Meter Co 60 E 42nd NY NY
The Bristol Co Waterbury 91 Conn
Brown Instrument Co 4419 Wayne Av Philadelphia 44 Pa
Foxboro Co Foxboro Mass
Republic Flow Meters Co 2240 W Diversey Chgo Ill
Taylor Instrument Co Rochester 1 N Y

METERS—water

Brown Instrument Co 4419 Wayne Av Philadelphia 44 Pa
Foxboro Co Foxboro Mass
Hersey Mfg Co South Boston 27 Mass
Neptune Meter Co 50 W 50th NY 20 NY
Republic Flow Meters Co 2240 W Diversey Chgo Ill
Taylor Instrument Co Rochester 1 N Y
Worthington Pump & Mach Corp Harrison N J

MICROMETERS

Brown & Sharpe Mfg Co 235 Promenade St Providence 1 R I
Miller Falls Co Greenfield Mass

MILLING IN TRANSIT

Semon Bache & Co 636 Greenwich NY NY
Corinth Planing Mill Co Corinth Miss
Foshee Lumber Co Montgomery Ala
Hallack & Howard Lumber Co Denver 1 Colo
Jas E Stark Co Memphis Tenn
Tacoma Lumber Fabricating Co Tacoma 1 Wash

MIRRORS—bathroom, kitchen

Acme Specialty Mfg Co Toledo O
American Enameled Prod Co Waukesha Wis
Belknap Glass Co Seattle 1 Wash
Columbia Metal Box Co 260 E 143rd St New York 51 N Y
Conant Bros Co Boston 14 Mass
Conroy-Prugh Glass Co Pittsburgh Pa
Excel Metal Cabinet Co Jamestown NY
F H Lawson Co Cincinnati O
Libbey-Owens-Ford Glass Co Toledo O (9)
Miami Cabinet Div Philip Carey Mfg Co Middletown O
National Mirror Works Rockford Ill
The Nurre Cos Inc Bloomington Ind
Chas Parker Co Meriden Conn
Pittsburgh Plate Glass Co 2000 Grant Bldg Pittsburgh 19 Pa (17)
Standard Mirror Co 141 Milton Buffalo 10 NY

MIRRORS—decorative

Art Mirror & Glass Specialty Co 312 N May Chgo Ill
Belknap Glass Co Seattle 1 Wash
Semon Bache & Co 636 Greenwich NY NY
Borin Art Prod Corp 666 N Lake Shore Dr Chgo Ill
Century Mirror Corp 1521 W 35th Chgo Ill
J Chesler & Sons Co Brooklyn N Y
Dearborn Glass Co 2414 W 21st Chgo 8 Ill
W P Fuller & Co 301 Mission San Fran 19 Cal
Libbey-Owens-Ford Glass Co Toledo O (9)
Nat'l Mirror Wks Rockford Ill
The Nurre Cos Inc Bloomington Ind
Pittsburgh Plate Glass Co 2000 Grant Bldg Pittsburgh 19 Pa (17)
Standard Mirror Co 141 Milton Buffalo 10 NY
Warren Co Atlanta Ga

MIXERS—concrete, mortar, etc.

Besser Mfg Co Alpena Mich
Chain Belt Co Milwaukee 4 Wis
Norris K Davis 400 Seventh St San Francisco 3 Cal
Essick Manufacturing Co 1950 Santa Fe Av Los Angeles Cal
Jaeger Mach Co Columbus O
Kent Machine Co Cuyahoga Falls Ohio (218)
Koehring Co Milwaukee Wis
Lansing Co Lansing Mich
Multiplex Concrete Machinery Co Elmore Ohio
Ransome Machinery Co Sub of Worthington Pump & Machinery Corp Dunnellen N J
T L Smith Co Milwaukee Wis
Stearns Mfg Co Inc Adrian Mich
Swift Mfg Co Waterloo Iowa
U S-Challenge Co Batavia Ill

MODEL HOUSES—miniature

Curtis Cos Inc Clinton Ia (kitchens) (12)
The Homes Center 720 Washington Av SE Minneapolis Minn (also made to order)
National Plan Service 1315 W Congress Chicago Ill

MOPS—dust & polish

Algoma Mfg Co Algoma Wis
American Standard Mfg Co 2509 S Green Chgo Ill
Barlow Co Inc Waterbury Conn
Boyle-Midway Inc Jersey City 2 N J (142)
Dustmaster Corp Minneapolis Minn
J I Holcomb Mfg Co Indianapolis 7 Ind
Howard Dustless Duster Co Boston 10 Mass
Hygenia Brush Co Worcester Mass
Illinois Duster & Brush Co 1926 Webster Av Chgo 14 Ill
Lasting Mop & Broom Co Evansville Ind
O-Cedar Corp 2246 W 49th Chgo 9 Ill
The Pioneer Mfg Co Cleveland 4 Ohio
Rubon Woodfinishing & Prod Co Kansas City Mo
E H Tate Co Boston Mass
L M Thornton Mfg Co Kansas City Mo
Tu-Way Prod Co Detroit Mich
Wm D Whitaker Philadelphia Pa

MORTAR—masonry

Huron Portland Cement Co Detroit 26 Mich
Louisville Cement Co Inc 315 Guthrie Louisville 2 Ky
Nat'l Lime & Stone Co Findlay O
National Mortar & Supply Co Pittsburgh Pa.
Ohio Hydrate & Supply Co Woodville O
Riverton Lime & Stone Co Inc Riverton Va
X-Pando Corp 43-15 36th Long Island City 1 N Y

MORTAR COLORS

Blue Ridge Talc Co Inc Henry Va
J Lee Smith & Co Inc 19 Jacob New York 7 N Y
Smith Chemical & Color Co 55 John Brooklyn 1 N Y
The Sullivan Co Memphis 2 Tenn (234)
Tamms Silica Co 228 N LaSalle Chgo 1 Ill

MORTAR MIX

Adel Clay Prod Co Des Moines Ia
Laclede-Christy Clay Prod Co St Louis Mo
Lehigh Sewer Pipe & Tile Co Ft Dodge Ia
National Mortar & Supply Co Pittsburgh Pa
Purington Paving Brick Co Galesburg Ill
Sheffield Brick & Tile Co Sheffield Ia
L Sonneborn Sons Inc 88 Lexington Av NY 16 NY
Walsh Refractories Corp St Louis Mo
What Cheer Clay Products Co What Cheer Iowa
Willamina Clay Prod Co Portland Ore

MOTORS—electric

Allis-Chalmers Mfg Co Milwaukee Wis (152)
Beach Mfg Co Montrose Pa
Century Electric Co 1806 Pine St St Louis 3 Mo
Delco Appliance Div Gen Motor Sales Corp Rochester N Y
Diehl Mfg Co 1124 Finderne Av Somerville N J
Emerson Elec Mfg Co St Louis Mo
Fairbanks Morse & Co 600 S Michigan Av Chicago Ill (29)
Forbes & Myers Worcester 8 Mass
General Electric Co Schenectady N Y
Hamilton Beach Co Div Scoville Mfg Co Racine Wis
Kato Engineering Co Mankato Minn
Leland Elec Co Dayton O
Lincoln Elec Co Cleveland O
Peerless Elec Co Warren Ohio
Reynolds Electric Co 2650 W Congress Chgo 12 Ill
Robbins & Myers Co Springfield O
Russell Elec Co 378 W Huron Chgo Ill
Signal Elec Mfg Co Menominee Mich
F A Smith Mfg Co Inc Rochester 2 N Y
Speedway Mfg Co Cicero Ill
Victor Elec Prod Co Cincinnati O
Wagner Electric Corp St Louis 14 Mo
Westinghouse Elec & Mfg Co 306 Fourth Av Pittsburgh 30 Pa
S A Woods Machine Co Boston 27 Mass

MOULDINGS—metal

Aluminum Co of America Pittsburgh Pa (67)
American Brass Co Waterbury Conn
Ames Metal Moulding Co Inc 225 E 144th NY NY
B & T Metals Co Columbus O (164)
Barclay Mfg Co 385 Gerard Av Bronx NY
Chase Brass & Copper Co Waterbury Conn
Ford Metal Moulding Co 329 E 45th NY NY (16)
Gibbs Boardtile Corp 636D N Aberdeen Chgo Ill (220)
Herron-Zimmers Moulding Co Detroit Mich
Kawneer Co Niles Mich
Kinkead Industries Inc 450 W Superior Chgo 10 Ill
Knapp Bros Mfg Co Joliet Ill
Macklanburg-Duncan Co Oklahoma City 1 Okla
Marsh Wall Prod Inc Dover O (24)
Metal Trims Inc Youngstown 2 Ohio
Mouldings Inc Indianapolis 2 Ind
Penn Supply & Metal Corp Philadelphia 22 Pa
Prestile Mfg Co 2860 Lincoln Av Chgo 13 Ill
Protex Weatherstrip Mfg Co 4500 S Western Chgo Ill
Pyramid Metals Co 1335 N Wells Chgo 10 Ill
Republic Steel Corp Cleveland 1 Ohio
Revere Copper & Brass Inc 230 Park Av NY NY
Samson Products Co 4238 N Leavitt Av Chgo 18 Ill
S & W Moulding Co Columbus 6 Ohio
Trimedge Inc Youngstown Ohio
Tylac Co Monticello Ill
U S Plywood Corp 55 W 44th NY NY (49)
United Industries Inc 231 S LaSalle Chgo Ill
Upson Co Lockport N Y (70)
R D Werner Co Inc 295 Fifth Av New York 16 N Y (8)
Wooster Products Inc Wooster Ohio
Yankee Fibre Tile Mfg Co Youngstown Ohio
Youngstown Manufacturing Inc 66 S Prospect Youngstown 6 Ohio (65)

MOULDINGS—plastic

American Phenolic Corp Cicero Ill
Armstrong Cork Co Bldg Mat Div Lancaster Pa
Herron-Zimmers Moulding Co Detroit Mich
Kinkead Industries Inc 450 W Superior Chgo 10 Ill
Macklanburg-Duncan Co Oklahoma City 1 Okla
Marsh Wall Prod Inc Dover O (24)
Pierce Plastics Bay City Mich
Prestile Mfg Co 2860 N Lincoln Av Chgo 13 Ill
Protex Weatherstrip Mfg Co 4500 S Western Chgo Ill
Reilly Tar & Chemical Corp Indianapolis 4 Ind
Republic Creosoting Co Indianapolis 4 Ind
Tennessee - Eastman Corp Kingsport Tenn
United States Plywood Corp 55 W 44th New York 18 N Y (49)
R D Werner Co Inc 295 Fifth Av New York 16 N Y (8)
Youngstown Manufacturing Inc 66 S Prospect Youngstown 6 Ohio (65)

MOULDINGS—stainless steel

Brasco Mfg Co Harvey Ill
Ford Metal Moulding Co 329 E 45th NY NY (16)
Herron-Zimmers Moulding Co Detroit Mich

Number in parenthesis indicates page on which advertisement appears

The Kawneer Co Niles Mich
Kinkead Industries Inc 450 W Superior Chgo 10 Ill
John Lees Div Serrick Corp Muncie Ind
Macklanburg-Duncan Co Oklahoma City 1 Okla
Marsh Wall Prod Inc Dover Ohio (24)
Metal Craft Co Detroit Mich
Mouldings Inc Indianapolis Ind
Prestile Mfg Co 2860 Lincoln Av Chgo 13 Ill
Protex Weatherstrip Mfg Co 4500 S Western Chgo Ill
Pyramid Metals Co 1335 N Wells Chgo 10 Ill
Samson Products Co 4238 N Leavitt Av Chgo 18 Ill
Trimedge Inc Youngstown Ohio
U S Plywood Corp 55 W 44th NY 18 NY (49)
R D Werner Co Inc 295 Fifth Av New York 16 N Y (8)
Youngstown Manufacturing Inc 66 S Prospect Youngstown 6 Ohio (65)

MOULDINGS—wood

Arkansas Oak Flooring Co Pine Bluff Ark
Biles-Coleman Lbr Co Inc Omak Wash (148)
Bradley Lumber Co of Arkansas Warren Ark (35)
C-W Plywood Co 9 S Clinton Chgo Ill
Carr Adams & Collier Co Dubuque Ia (23)
Cole Mfg Co Memphis Tenn
Curtis Companies Inc Clinton Ia (12)
W J Dennis & Co 1732 N Kolmar Av Chgo 39 Ill
Exchange Sawmills Sales Co 1111 Long Bldg Kansas City 6 Mo
Farley & Loetscher Mfg Co Dubuque Ia
Fordyce-Crossett Sales Co Fordyce Ark
Frost Lumber Industries Shreveport La (149)
Hammond Lumber Co 417 Montgomery San Francisco 6 Cal
Huttig Mfg Co Muscatine Ia
Huttig Sash & Door Co St Louis Mo
General Wood Works Council Bluffs Iowa
Ideal Co Box 889 Waco Tex
Keystone Frame & Mfg Co Spokane 3 Wash
G F League Lumber Co Box 125 Greenville S C (236)
Marquart Millwork Co Oshkosh Wis (219)
Marsh Wall Prod Inc Dover O (24)
Morgan Company Oshkosh Wis
Mutual Fir Column Co Tacoma Wash
Nashotah Moulding & Mfg Co Nashotah Wis
Nickey Brothers Co Memphis Tenn (59)
Radford & Sanders Inc Baltimore Md
Wm Ritter Lumber Co Columbus O (207)
Roach & Musser Co Muscatine Ia
Rock Island Sash & Door Wks Rock Island Ill
Segelke & Kohlhaus Co La Crosse Wis
Geo J Silbernagel S S Michigan Chgo Ill (176)
South Bend Dowel Works South Bend Ind
Southern Pine Lumber Co Texarkana Tex
Trimpak Corp 364 North Av New Rochelle N Y
Washington Mfg Co Tacoma 1 Wash
White Pine Sash Co Spokane 7 Wash

MOULDINGS—zinc

Brasco Mfg Co Harvey Ill
W J Dennis & Co 1732 N Kolmar Av Chgo 39 Ill
Metal Craft Co Detroit Mich
Penn Supply & Metal Corp Philadelphia 22 Pa
Prestile Mfg Co 2860 Lincoln Av Chgo 13 Ill
Protex Weatherstrip Mfg Co 4500 S Western Chgo Ill
Samson Products Co 4238 N Leavitt Av Chgo 18 Ill
Youngstown Manufacturing Inc 66 S Prospect Youngstown 6 Ohio (65)

MULTIPLE WHEEL TRUCK DRIVES

Four Wheel Drive Auto Co Clintonville Wis
Thornton Tandem Co Detroit 13 Mich

NAIL PULLERS

Bridgeport Hardware Mfg Corp Bridgeport Conn
Crescent Tool Co Jamestown N Y
C Drew & Co Kingston Mass
M & M Wire Clamp Co Minneapolis Minn
Markwell Mfg Co 200 Hudson New York 13 N Y
Union Hardware Co Torrington Conn
Woodings-Verona Tool Works Verona Pa

NAIL SETS

American Swiss File & Tool Co Elizabeth N J
Bridgeport Hdwe Mfg Corp Bridgeport Conn
Brown & Sharpe Mfg Co 235 Promenade St Providence 1 R I
Damascus Steel Prod Corp Rockford Ill
E W Deuse Co Chester Conn
Mayhew Steel Prod Inc Shelburne Falls Mass
Millers Falls Co Greenfield Mass
McPherson-Huff Tool Co Sabina O
The Stanley Works New Britain Conn (64)
L S Starrett Co Athol Mass
Syracuse Twist Drill Co Syracuse N Y
Tuck Mfg Co Brockton Mass
Union Tool Co Orange Mass
Vaughan & Bushnell Mfg Co 135 S La Salle Chgo Ill

NAILS

Alan Wood Steel Co Conshohocken Pa (195)
American Steel & Wire Co Cleveland O (165)
Angell Nail & Chaplet Co Cleveland O
Atlantic Steel Co Atlantic Ga
Atlas Tack Corp Fairhaven Mass
Bethlehem Steel Co Bethlehem Pa
Ceco Steel Products Corp 5701 W 26th Chgo 50 Ill
Century Fence Co Waukesha Wis
Chase Brass & Copper Co Waterbury Conn
Colorado Fuel & Iron Corp Denver Colo (66)
Columbia Steel Co Russ Bldg San Fran 6 Cal (165)
Continental Steel Corp Kokomo Ind
Copperweld Steel Co Glassport Pa
Crescent Brass & Pin Co Detroit Mich
Eastern Nail Company 176 Union Av Providence 9 R I
Illinois Nail Co 826 Peoria Chgo Ill
Independent Nail & Packing Co Bridgewater Mass
Jones & Laughlin Steel Corp Pittsburgh Pa
Keystone Steel & Wire Co Peoria Ill
Mid-States Steel & Wire Co Crawfordsville Ind
Northwestern Steel & Wire Co Sterling Ill
Pittsburgh Steel Co Pittsburgh Pa
Republic Steel Corp Cleveland 1 Ohio
Sheffield Steel Corp Kansas City Mo
Shelton Tack Co Shelton Conn
Tennessee Coal Iron & R R Co Birmingham Ala (165)
Wheeling Corrugating Co Wheeling W Va (42)
Wickwire Bros Inc Cortland N Y (158)
Wickwire Spencer Steel A Div of The Colorado Fuel & Iron Corp 500 Fifth Av New York 18 N Y (66)

NAILS—cement coated

American Steel & Wire Co Cleveland O (165)
Atlas Tack Corp Fairhaven Mass
Bethlehem Steel Co Bethlehem Pa
Ceco Steel Products Corp 5701 W 26th Chgo 50 Ill
Century Fence Co Waukesha Wis
Colorado Fuel & Iron Corp Denver Colo (66)
Columbia Steel Co Russ Bldg San Fran 6 Cal (165)
Continental Steel Corp Kokomo Ind
Crescent Brass & Pin Co Detroit 8 Mich
Eastern Nail Company 176 Union Av Providence 9 R I
Independent Nail & Packing Co Bridgewater Mass
Jones & Laughlin Steel Corp Pittsburgh Pa
Keystone Steel & Wire Co Peoria Ill
Mid-States Steel & Wire Co Crawfordsville Ind
Northwestern Steel & Wire Co Sterling Ill
Pittsburgh Steel Co Pittsburgh 30 Pa
Republic Steel Corp Cleveland 1 Ohio
Sheffield Steel Corp Kansas City Mo
Tennessee Coal Iron & R R Co Birmingham Ala (165)
Wheeling Corrugating Co Wheeling W Va (42)
Wickwire Bros Cortland N Y (158)
Wickwire Spencer Steel A Div of The Colorado Fuel & Iron Corp 500 Fifth Av New York 18 N Y (66)
Wilson Steel & Wire Co W 49th and S Western Chgo Ill

NAILS—copper

Alan Wood Steel Co Conshohocken Pa (195)
American Steel & Wire Co Cleveland O (165)
Angell Nail & Chaplet Co Cleveland O
Atlas Tack Corp Fairhaven Mass
Ceco Steel Products Corp 5701 W 26th Chgo 50 Ill
Chase Brass & Copper Co Waterbury Conn
Columbia Steel Co Russ Bldg San Fran 6 Cal (165)
Igoe Bros 529 Washington Brooklyn N Y
Independent Nail & Packing Co Bridgewater Mass
W H Maze Co Peru Ill
Republic Steel Corp Berger Mfg Div Canton 5 Ohio
Shelton Tack Co Shelton Conn
Steel & Wire Products Co Baltimore Md
Turner & Seymour Mfg Co Torrington Conn

NAILS—cut

Alan Wood Steel Co Conshohocken Pa (195)
Chase Brass & Copper Co Waterbury 91 Conn
Continental Steel Corp Kokomo Ind
W H Maze Co Peru Ill
Northwestern Steel & Wire Co Sterling Ill
Republic Steel Corp Cleveland 1 Ohio
Shelton Tack Co 103 Canal Shelton Conn
Tremont Nail Co Wareham Mass
Wheeling Corrugating Co Wheeling W Va (42)

NAILS—flooring

Alan Wood Steel Co Conshohocken Pa (195)
American Steel & Wire Co Cleveland O (165)
Bethlehem Steel Co Bethlehem Pa
Ceco Steel Products Corp 5701 W 26th Chgo 50 Ill
Century Fence Co Waukesha Wis
Continental Steel Corp Kokomo Ind
The Edwards Mfg Co 427-477 Culvert Cincinnati Ohio (160)
Independent Nail & Packing Co Bridgewater Mass
Keystone Steel & Wire Co Peoria Ill
Mid-States Steel & Wire Co Crawfordsville Ind
Pittsburgh Steel Co Pittsburgh 30 Pa
Republic Steel Corp Cleveland 1 Ohio
Sheffield Steel Corp Kansas City Mo
Tennessee Coal Iron & R R Co Birmingham Ala (165)
Tremont Nail Co Wareham Mass
Wheeling Corrugating Co Wheeling W Va (42)

NAILS—leadhead

American Steel & Wire Co Cleveland O (165)
Ceco Steel Products Corp 5701 W 26th Chgo 50 Ill
Continental Steel Corp Kokomo Ind
Deniston Co 4856 S Western Av Chgo Ill
Dickson Weatherproof Nail Co Evanston Ill
Klauer Mfg Co Dubuque Iowa
Lyon Conklin & Co Baltimore 30 Md
W H Maze Co Peru Ill
Mid-States Steel & Wire Co Crawfordsville Ind
Milcor Steel Co 4101 W Burnham Milwaukee 4 Wis (161)
Republic Steel Corp Republic Bldg Cleveland 1 Ohio
Wheeling Corrugating Co Wheeling W Va (42)

NAILS—masonry

Hillwood Mfg Co Cleveland O
Independent Nail & Packing Co Bridgewater Mass
Rawlplug Co Inc 97 Lafayette NY NY
Republic Steel Corp Berger Mfg Div Canton 5 Ohio
Sealcon Products Inc 927 Second Av S Minneapolis 2 Minn
Tremont Nail Co Wareham Mass
Wheeling Corrugating Co Wheeling W Va (42)

NAILS—roofing

Alan Wood Steel Co Conshohocken Pa (195)
American Steel & Wire Co Cleveland O (165)
Angell Nail & Chaplet Co Cleveland 5 O
Atlas Tack Corp Fairhaven Mass
Bethlehem Steel Co Bethlehem Pa
Ceco Steel Products Corp 5701 W 26th Chgo 50 Ill

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Century Fence Co Waukesha Wis
Chase Brass & Copper Co Waterbury Conn
Columbia Steel Co Russ Bldg San Fran 6 Cal (165)
Continental Steel Corp Kokomo Ind
Copperweld Steel Co Glassport Pa
Crescent Brass & Pin Co Detroit Mich
Deniston Co 4856 S Western Av Chgo 9 Ill
Dickson Weatherproof Nail Co Evanston Ill
Edwards Mfg Co Cincinnati O (160)
Ford Roofing Products Co 111 W Washington Chgo 2 Ill
Jones & Brown Inc Pittsburgh Pa
Jones & Laughlin Steel Corp Pittsburgh Pa
Keystone Steel & Wire Co Peoria Ill
Lyon Conklin & Co Baltimore 30 Md
Malleable Iron Fittings Co Branford Conn
W H Maze Co Peru Ill
Mid-States Steel & Wire Co Crawfordsville Ind
B F Nelson Mfg Co Minneapolis 13 Minn
Northwestern Steel & Wire Co Sterling Ill
Pittsburgh Steel Co Pittsburgh 30 Pa
Republic Steel Corp Republic Bldg. Cleveland 1 Ohio
The Ruberoid Co 500 Fifth Av NY 18 NY
Sheffield Steel Corp Kansas City Mo
Tennessee Coal Iron & R R Co Birmingham Ala (165)
Tremont Nail Co Wareham Mass
Turner & Seymour Mfg Co Torrington Conn
Wheeling Corrugating Co Wheeling W Va (42)
Wickwire Bros Cortland N Y (158)
Wilson Steel & Wire Co 4840 S Western Av Chgo Ill

NAILS—screw type

Ceco Steel Products Corp 5701 W 26th Chgo 50 Ill
Colonial Brass Co Middleboro Mass
Columbia Steel Co Russ Bldg San Fran 6 Cal (165)
Dickson Weatherproof Nail Co Evanston Ill
John Hassall Inc 402 Oakland Brooklyn N Y
Hillwood Mfg Co Cleveland 17 O
Independent Nail & Packing Co Bridgewater Mass
Manufacturers Screw Prod 222 W Hubbard Chgo 10 Ill
W H Maze Co Peru Ill
Pittsburgh Steel Co Pittsburgh 30 Pa
Republic Steel Corp Republic Bldg Cleveland 1 Ohio

NAILS—shingle

Alan Wood Steel Co Conshohocken Pa (195)
American Steel & Wire Co Cleveland O (165)
Atlas Tack Corp Fairhaven Mass
Bethlehem Steel Co Bethlehem Pa
Ceco Steel Products Corp 5701 W 26th Chgo 50 Ill
Century Fence Co Waukesha Wis
Chase Brass & Copper Co Waterbury 91 Conn
Columbia Steel Co Russ Bldg San Fran 6 Cal (165)
Continental Steel Corp Kokomo Ind
Crescent Brass & Pin Co Detroit 8 Mich
Ford Roofing Products Co 111 W Washington Chgo 2 Ill
Independent Nail & Packing Co Bridgewater Mass
Jones & Brown Inc Pittsburgh Pa
Jones & Laughlin Steel Corp Pittsburgh Pa
Keystone Steel & Wire Co Peoria 7 Ill
W H Maze Co Peru Ill
Mid-States Steel & Wire Co Crawfordsville Ind
Northwestern Steel & Wire Co Sterling Ill
Pittsburgh Steel Co Pittsburgh Pa
Republic Steel Corp Republic Bldg Cleveland 1 Ohio
Sheffield Steel Corp Kansas City Mo
Tennessee Coal Iron & Railroad Co Birmingham Ala (165)
Tremont Nail Co Wareham Mass
Wheeling Corrugating Co Wheeling W Va (42)
Wickwire Bros Cortland N Y (158)
Wilson Steel & Wire Co 4840 S Western Av Chgo Ill

NETTING—wire

American Steel & Wire Co Cleveland 13 Ohio (165)
Century Fence Co Waukesha Wis
Columbia Steel Co Russ Bldg San Fran 6 Cal (165)
Continental Steel Corp Kokomo Ind
Gilbert & Bennett Mfg Co Blue Island Ill
Indiana Steel & Wire Co Muncie Ind
Keystone Steel & Wire Co Peoria 7 Ill
Mid-States Steel & Wire Co Crawfordsville Ind
Northwestern Steel & Wire Co Sterling Ill
Republic Steel Corp Republic Bldg Cleveland 1 Ohio
Soule Steel Co San Francisco 24 Cal
Wickwire Bros Cortland N Y (158)
Wickwire Spencer Steel A Div of the Colorado Fuel & Iron Corp 500 Fifth Av New York 18 N Y (66)

NIPPERS

Champion-De Arment Tool Co Meadville Pa
Damascus Steel Prod Corp Rockford Ill
Heller Brothers Co Newark 4 N J
Lowe Mfg Co Enderlin N D
M & M Wire Clamp Co 983-17th Av S E Minneapolis 14 Minn
Original Enderes Company Guttenberg Iowa
Peck Stow & Wilcox Co Southington Conn
Starr Bros Bell Co E Hampton Conn
L A Starrett Co Athol Mass
Utica Drop Forge & Tool Corp Utica N Y
Vaughan & Bushnell Mfg Co 135 S La-Salle Chgo Ill
The Wellman Products Co 1444 E 49th Cleveland 3 Ohio

NOSING—metal stair

The Adams Co Dubuque Iowa
American Abrasive Metals Co Irvington N J
American Mason Safety Tread Co Lowell Mass
Chase Brass & Copper Co Waterbury Conn
Ford Metal Moulding Co 329 E 45th New York 17 N Y
Macklanburg-Duncan Co Oklahoma City Okla
Michel & Pfeffer Iron Wks Inc 1415 Harrison San Fran 3 Cal
Protex Weatherstrip Mfg Co 4500 S Western Chgo Ill
Wheeling Corrugating Co Wheeling W Va (42)
Youngstown Manufacturing Inc 66 S Prospect Youngstown 6 Ohio (65)

NOZZLES—hose

W D Allen Mfg Co 566 W Lake Chgo 6 Ill
Boston Woven Hose & Rubber Co Cambridge Mass
Elkhart Brass Mfg Co Elkhart Ind
Scovill Mfg Co Waterbury 91 Conn
H B Sherman Mfg Co Battle Creek Mich

NUTS

American Screw Co Providence R I
W Ames & Co Jersey City 4 N J
Atlas Bolt & Screw Co Cleveland 10 Ohio
Bethlehem Steel Co Bethlehem Pa
Central Screw Co 3501 S Shields Av Chgo Ill
Chase Brass & Copper Co Waterbury 91 Conn
Columbia Nut & Bolt Co Inc Bridgeport 3 Conn
Continental Screw Co New Bedford Mass
Elco Tool & Screw Corp 1818 Broadway Rockford Ill
Wm H Haskell Mfg Co Pawtucket R I
Hubbard & Co 6301 Butler St Pittsburgh 1 Pa
The Lamson & Sessions Co Cleveland 2 Ohio (230)
Manufacturers Screw Prod 222 W Hubbard Chgo 10 Ill
National Screw & Mfg Co Cleveland 4 Ohio
Pheoll Mfg Co 5700 W Roosevelt Rd Chgo Ill
Pittsburgh Screw & Bolt Co Pittsburgh Pa
Republic Steel Corp Republic Bldg Cleveland 1 Ohio
Rockford Screw Products Co Rockford Ill
Russell Burdsall & Ward Bolt & Nut Co Port Chester NY
St Louis Screw & Bolt Co St Louis Mo
Screw Machine Specialty Co Pittsburgh Pa (special only)
Sheffield Steel Corp Kansas City Mo
United Screw & Bolt Corp 2513 W Cullerton Chgo Ill
Western Automatic Mach Screw Co Elyria O

OFFICE MACHINES & SYSTEMS

American Perforator Co 627 W Jackson Blvd Chgo Ill
Ajax Time Stamp Co 368 Broadway New York City N Y
Burroughs Adding Machine Co Detroit 32 Mich
Calculagraph Co Harrison N J
Diebold Inc Canton 2 Ohio
Felt & Tarrant Mfg Co 1735 N Paulina Chgo Ill
Friden Calculating Machine Co Inc San Leandro Calif
Hamilton Autographic Register Co Hamilton Ohio
Lightning Calculator Co Grand Rapids Mich
Meilicke Systems Inc 3458-60 N Clark Chgo 13 Ill
Marchant Calculating Machine Co Oakland Calif
Monroe Calculating Machine Co Inc Orange N J
National Cash Register Co Dayton Ohio
Northwest Metal Products Co 1337 E Mason Green Bay Wis (235)
Remington Rand Inc 315 Fourth New York 10 N Y (223)
The Standard Register Co Dept 1301 Dayton 1 Ohio
Todd Co Inc Rochester 3 N Y
Underwood Corp 1 Park Av New York 16 N Y
Uarco Inc 5000 S California Av Chgo 32 Ill
Victor Adding Machine Co 3900 N Rockwell Chgo Ill

OIL—flatting

Acme White Lead & Color Wks 8250 St Aubin Av Detroit 11 Mich
Chi-Namel Paint & Varnish Co Minneapolis Minn
The Eagle Picher Co Cincinnati 1 Ohio
W P Fuller & Co 301 Mission San Fran 19 Cal
Glidden Co Cleveland Ohio
A C Horn Co 43-42 Tenth Long Island City 1 NY
The Martin-Senour Co 2520 S Quarry Chgo 8 Ill
Minnesota Linseed Oil Paint Co Minneapolis Minn
Nat'l Lead Co 111 Broadway NY NY
Pittsburgh Plate Glass Co 2000 Grant Bldg Pittsburgh 19 Pa (43)
20th Century Paint & Varnish Co 30 Roebling Brooklyn 11 N Y

OIL—linseed

Archer-Daniels Midland Co Minneapolis 2 Minn (189)
Bisbee Linseed Co 2100 Lincoln Liberty Bldg Phil 7 Pa
Chi-Namel Paint & Varnish Co Minneapolis Minn
W P Fuller & Co 301 Mission San Fran 19 Cal
Kellogg and Sons Inc Spencer Buffalo N Y
Martin Senour Co 2520 Quarry Chgo Ill
Minnesota Linseed Oil Paint Co Minneapolis Minn
National Lead Co 111 Broadway NY NY
Pittsburgh Plate Glass Co 2000 Grant Bldg Pittsburgh 19 Pa (43)
Sherwin Williams Co Cleveland O (39)
Technical Oil Div South Tex Cotton Oil Co Houston Tex

OIL—linseed, replacement

Atlantic Varnish & Paint Co Inc P O Box 474 Richmond Va
Bisbee Linseed Co 2100 Lincoln Liberty Bldg Phil 7 Pa
Chi-Namel Paint & Varnish Co Minneapolis Minn
W P Fuller & Co 301 Mission San Fran 19 Cal
Interstate Oil Co Kansas City Kansas
Minnesota Linseed Oil Paint Co Minneapolis Minn
National Lead Co 111 Broadway New York 6 N Y
Pittsburgh Plate Glass Co 2000 Grant Bldg Pittsburgh 19 Pa (43)

OIL—paraffine

Kalamazoo Paraffine Co Kalamazoo 24 Mich

OUTDOOR FURNITURE

Adirondack Chair Co Inc 1140 Broadway New York 1 N Y
Bunting Glider Co 18th & Allegheny Av Philadelphia Pa

Number in parenthesis indicates page on which advertisement appears

Biles-Coleman Lumber Co Omak Wash (148)
Frostbrand Furniture Mfg Co Shreveport La
Gold Medal Folding Furniture Co Racine Wis
The Goshen Mfg Co Goshen Ind
Thos Graham & Co Inc Madison Ind
Habitant Shops Inc Bay City Mich
Heywood-Wakefield Co Gardner Mass
Edward Hines Lumber Co 77 W Washington Chgo Ill (209)
Ideal Mfg Co Warsaw Mo
Indiana Willow Products Co Inc Martinsville Ind
Kinzua Pine Mills Co Kinzua Ore (143)
The Long-Bell Lumber Co Kansas City 6 Mo
Nappanee Lumber & Mfg Co Nappanee Ind
Nashotah Moulding & Mfg Co Nashotah Wis
Old Hickory Furniture Co Martinsville Ind
Rittenhouse Mfg Co Cheboygan Mich
Southern Wire & Iron Works Atlanta Ga
Tucker Duck & Rubber Co Fort Smith Ark

OVENS—electric drying

Detroit Sheet Mtl Wks Detroit Mich
Grand Rapids Vapor Kiln Inc Grand Rapids 2 Mich
Moore Dry Kiln Co P O Box 4248 Jacksonville 1 Fla (227)
Standard Dry Kiln Co P O Box 541 Indianapolis Ind
Harold E Trent Co Philadelphia 27 Pa
Westinghouse Elec & Mfg Co 306 Fourth Av Pittsburgh 30 Pa

OVENS—outdoor

The Donley Bros Co 1392S Miles Av Cleveland 5 Ohio (221)
Hancock Iron Wks Pontiac 14 Mich
Majestic Co Huntington Ind
The Outdoor Oven Fireplace Co 1477 Park Hartford 6 Conn

PACKAGE RECEIVERS

The Donley Bros Co 1392S Miles Av Cleveland 5 Ohio (221)
Excel Metal Cabinet Co Jamestown NY
Gabriel Steel Co Detroit 12 Mich
Kewanee Mfg Co Kewanee Ill
Majestic Co Huntington Ind
Milcor Steel Co 4101 W Burnham Milwaukee 4 Wis (161)

PADLOCKS

Bemis & Call Co Springfield Mass
Best Universal Lock Co 10 No Senate Indianapolis 4 Ind
Chicago Lock Co 2024 Racine Av Chgo Ill
P & F Corbin New Britain Conn (201)
Dudley Lock Corp 564 W Monroe Chgo Ill
Eagle Lock Co 110 N Franklin Chgo Ill
Fiwale Equipment Mfg Co 165 Church NY 7 NY
Four-Way Lock Co 4619 Ravenswood Av Chgo Ill
Independent Lock Co Fitchburg Mass (163)
Lockwood Hdwe Mfg Co Fitchburg Mass (163)
Master Lock Company Milwaukee 10 Wis
J B Miller Keyless Lock Co Kent O
Russell & Erwin Mfg Co New Britain Conn (202)
Safe Padlock & Hdwe Co Lancaster Pa
Sargent & Co New Haven Conn
Segal Lock & Hdwe Co Inc 395 Broadway NY 13 NY
Slaymaker Lock Co Lancaster Pa
Waterbury Lock & Specialty Co Milford Conn
Yale & Towne Mfg Co Stamford Conn

PAINT

Acme White Lead & Color Wks 8250 St Aubin Av Detroit 11 Mich
Alabastine Paint Prod Grand Rapids Mich
American Marietta Co 43 E Ohio Chgo 11 Ill
Baltimore Paint & Color Works Baltimore 23 Md
Berry Bros Inc Detroit 7 Mich
Boston Varnish Co Boston Mass (33)
Breinig Brothers Inc 1st & Harrison Hoboken N J
Samuel Cabot Inc 141 Milk St Boston 9 Mass (180)
Carbozite Corp First National Bank Bldg Pittsburgh Pa
Central Paint & Varnish Wks 69 Prospect Brooklyn N Y
Chicago Paints Inc 4500 W 14 Chgo Ill
Chi-Namel Paint & Varnish Co Minneapolis Minn
The Dad & Lad Co New Nenox Ill (236)
De Soto Paint & Varnish Co Memphis Tenn
Devoe & Raynolds Co Inc 787 First Av NY 17 NY (183)
E I Du Pont de Nemours & Co Inc Wilmington Del (177)
Elliott Paint & Varnish Co 4523 W Fifth Av Chicago Ill
Enterprise Paint Mfg Co 337 S Peoria Chgo 7 Ill
Farwell Ozmun Kirk & Co St Paul 1 Minn
The Foy Paint Co Inc Cincinnati 12 Ohio
W P Fuller & Co 301 Mission San Fran 19 Cal
Glidden Co Cleveland O
Globe Paint Wks Inc 202-208 Market Williamsport 5 Pa
Grand Rapids Varnish Corp 565 Godfrey Av S W Grand Rapids 2 Mich
Great Lakes Varnish Wks Inc 2215 N Pulaski Chgo Ill
Indiana Indestructible Paint Co 4124 Parker Chgo Ill
Jewel Paint & Varnish Co 345 N Western Chgo Ill
Keystone Varnish Co 71 Otsego St Brooklyn 31 N Y
I F Laucks Inc 911 Western Av Seattle 4 Wash
Lowe Bros Co Dayton O (30-31)
John Lucas & Co Philadelphia Pa
Martin Senour Co 2520 Quarry Chgo Ill
John W Masury & Son Inc Baltimore Md
Minnesota Linseed Oil Paint Co Minneapolis Minn
Mobile Paint Mfg Co Mobile Ala
Benj Moore & Co 511 Canal NY NY
Muralo Co Inc 566 Richmond Terrace Staten Island N Y
Murphy Paint Div Interchemical Corp 224 McWhorter Newark 1 N J
National Lead Co 111 Broadway New York 6 N Y
O'Brien Varnish Co So Bend Ind (187)
Paraffine Cos Inc San Francisco Cal
Ira Parker & Sons Co Oshkosh Wis (198)
Patterson-Sargent Co Cleveland O
Peaslee-Gaulbert Paint & Varnish Co Inc Louisville Ky
Pecora Paint Co Inc Philadelphia Pa
Phelan-Faust Paint Mfg Co St Louis Mo
Pittsburgh Plate Glass Co Paint Div Pittsburgh Pa (43)
Plasti-Kote Co Cleveland 13 O (68)
Pratt & Lambert Inc 75 Tonawanda Buffalo 7 NY
Reilly Tar & Chemical Corp Indianapolis 4 Ind
Republic Creosoting Co Indianapolis 4 Ind
Rogers Paint Products Inc 8250 St Aubin Av Detroit 11 Mich
Sargent-Gerke Co Indianapolis Ind
Sherwin-Williams Co Cleveland O (39)
L Sonneborn Sons Inc 88 Lexington Av NY 16 NY
Steelcote Mfg Co 3418 Gratiot St Louis 3 Mo (156)
The Sullivan Co P O Box 2606 Memphis 2 Tenn (234)
Thompson & Co Oakmont Pa
Tropical Paint & Oil Co Cleveland O
Truscon Labs Detroit Mich
U S Gutta Percha Paint Co Dept 19 Dudley & Eddy Providence 1 R I
Valentine & Co Inc 11 E 36 NY NY
Vita-Var Corp Newark N J (350)
Wadsworth Howland & Co 141 Federal Boston Mass
The Wilbur & Williams Co Boston 16 Mass

PAINT—asphalt

Abesto Mfg Corp Michigan City Ind (233)
American Asphalt Roof Corp Kansas City Mo
American Marietta Co 43 E Ohio Chgo 11 Ill
Armstrong Paint & Varnish Wks 1318 S Kilbourn Av Chgo Ill
Baltimore Paint & Color Works Baltimore 23 Md
Barrett Div Allied Chem & Dye Corp 40 Rector St NY NY (38)
Boston Varnish Co E Everett Mass (33)
Breinig Bros Inc 1st & Harrison Hoboken N J
Calbar Paint & Varnish Co 2612 N Martha Phil 25 Pa
Carbozite Corp First National Bank Bldg Pittsburgh Pa
Philip Carey Mfg Co Cincinnati 15 O
Carter Paint Co Liberty Ind
Chi-Namel Paint & Varnish Co Minneapolis Minn
The Dad & Lad Co New Lenox Ill (236)
Devoe & Raynolds Co Inc 787 1st Av NY 17 NY (183)
E I DuPont de Nemours & Co Inc Wilmington Del (177)
Enterprise Paint Mfg Co 337 S Peoria Chgo 7 Ill
Flintkote Co 30 Rockefeller Plaza NY NY (10)
Ford Roofing Products Co 111 W Washington Chgo 2 Ill
Glidden Co Cleveland O
A C Horn Co 4326 Tenth Long Island City N Y
Jewel Paint & Varnish Co 345 N Western Av Chgo Ill
Lehon Co 4425 S Oakley Chgo Ill
Lowe Bros Co Dayton O (30-31)
Martin Senour Co 2520 Quarry Chgo Ill
Mathews Paint Co Los Angeles Calif
Minnesota Linseed Oil Paint Co Minneapolis Minn
Minwax Co Inc 11 W 42nd NY NY
O'Brien Varnish Co So Bend Ind (187)
The Paraffine Companies Inc 475 Brannan St San Francisco 19 Cal
Ira Parker & Sons Co Oshkosh Wis (198)
Pecora Paint Co Phil Pa
Pittsburgh Plate Glass Co 2000 Grant Bldg Pittsburgh 19 Pa (43)
Rogers Paint Products Inc 8250 St Aubin Av Detroit 11 Mich
The Ruberoid Co 500 Fifth Ave NY 18 NY
Sherwin-Williams Co Cleveland O (39)
L Sonneborn Sons Inc 88 Lexington Av NY 16 NY
Steelcote Mfg Co 3418 Gratiot St Louis 3 Mo (156)
The Sullivan Co P O Box 2606 Memphis 2 Tenn (234)
Tamms-Silica Co 228 N La Salle Chgo 1 Ill
The Texas Company 135 E 42nd NY NY (159)
Valentine & Co Inc 11 E 36 NY 16 NY
Vita-Var Corp Newark N J (350)
Wadsworth Howland & Co 141 Federal Boston Mass

PAINT—barn and roof

Alabastine Paint Prod Grand Rapids Mich
American Marietta Co 43 E Ohio Chgo 11 Ill
Armstrong Paint & Varnish Wks 1318 S Kilbourn Av Chgo Ill
Baltimore Paint & Color Works Baltimore 23 Md
Berry Bros Detroit Mich
Black Cat Corp Hattiesburg Miss
Boston Varnish Co Boston 49 Mass (33)
Breinig Brothers Inc 1st & Harrison Hoboken N J
Briggs Maroney Co Inc Everett 49 Mass
Calbar Paint & Varnish Co 2612 N Martha Phil 25 Pa
Carbozite Corp First National Bank Bldg Pittsburgh Pa
Carter Paint Co Liberty Ind
Chi-Namel Paint & Varnish Co Minneapolis Minn
Jos Dixon Crucible Co Jersey City N J
E I du Pont de Nemours & Co Inc Wilmington Del (177)
Enterprise Paint Mfg Co 337 S Peoria Chgo 7 Ill
Forman Ford & Co 111 Second S Minneapolis 1 Minn
The Foy Paint Co Inc Cincinnati 12 Ohio
W P Fuller & Co 301 Mission San Fran 19 Cal
Glidden Co Cleveland O
Grand Rapids Varnish Corp 565 Godfrey Av S W Grand Rapids 2 Mich
Great Lakes Varnish Wks Inc 2215 N Pulaski Chgo Ill
Indiana Indestructible Paint Co 4124 Parker Chgo Ill
Lowe Bros Co Dayton O (30-31)
John Lucas & Co Phil Pa
Martin Senour Co 2520 Quarry Chgo Ill
Martin Varnish Co 900 W 49th Place Chgo 9 Ill
J W Masury & Son Inc Sharp & Ostend Baltimore Md
Minnesota Linseed Oil Paint Co Minneapolis Minn
Benj Moore & Co 511 Canal NY NY

Number in parenthesis indicates page on which advertisement appears

Murphy Paint Div Interchemical Corp 224 McWhorter Newark 1 N J
O'Brien Varnish Co So Bend Ind (187)
The Paraffine Companies Inc 475 Brannan St San Francisco 19 Cal
Ira Parker & Sons Co Oshkosh Wis (198)
Patterson-Sargent Co Cleveland O
Pittsburgh Plate Glass Co 2000 Grant Bldg Pittsburgh 19 Pa (43)
Pratt & Lambert Inc 75 Tonawanda Buffalo 7 NY
Rogers Paint Products Inc 8250 St Aubin Av Detroit 11 Mich
Sargent-Gerke Co Indianapolis 6 Ind
Sherwin-Williams Co Cleveland O (39)
L Sonneborn Sons Inc 88 Lexington Av NY 16 NY
Steelcote Mfg Co 3418 Gratiot St Louis 3 Mo (156)
The Sullivan Co P O Box 2606 Memphis 2 Tenn (234)
Tamms Silica Co 228 N LaSalle Chgo 1 Ill
U S Gutta Percha Paint Co Dept 19 Dudley & Eddy Providence 1 R I
Valentine & Co Inc 11 E 36 NY NY
Vita-Var Corp Newark N J (350)
The Wilbur & Williams Co Boston 16 Mass
Wadsworth Howland & Co 141 Federal Boston Mass

PAINT—casein & cold water

Acme White Lead & Color Wks 8250 St Aubin Av Detroit 11 Mich
Alabastine Paint Prod Grand Rapids Mich
American Fluresit Co Inc 635 Rockdale Av Cincinnati Ohio (cold water only)
American Marietta Co 43 E Ohio Chgo 11 Ill
Atlantic Varnish & Paint Co Inc P O Box 474 Richmond Va
Baltimore Paint & Color Works Baltimore 23 Md
Breinig Bros Inc 1st & Harrison Hoboken N J
Briggs Maroney Co Inc Everett 49 Mass
Samuel Cabot Inc 141 Milk St Boston 9 Mass (180)
Carbola Chemical Co Inc Natural Bridge N Y
Carbozite Corp First National Bank Bldg Pittsburgh Pa
Chi-Namel Paint & Varnish Co Minneapolis Minn
E D Coddington Mfg Co Milwaukee 9 Wis
Devoe & Raynolds Co Inc 787 1st Av NY 17 NY (183)
E I du Pont de Nemours & Co Inc Wilmington Del (177)
Enterprise Paint Mfg Co 337 S Peoria Chgo 7 Ill
Glidden Co Cleveland O
Great Lakes Varnish Wks Inc 2215 N Pulaski Chgo Ill
A C Horn Co 43-36 Tenth Long Island City N Y
Lignotite Co 882 Milwaukee Av Chgo 22 Ill
Lowe Bros Co Dayton O (30-31)
Martin Senour Co 2520 Quarry Chgo Ill
Minnesota Linseed Oil Paint Co Minneapolis Minn
Muralo Co Inc 572 Richmond Terrace Staten Island 1 NY
National Gypsum Co Buffalo NY (40-41)
The Paraffine Companies Inc 475 Brannan St San Francisco 19 Cal
Ira Parker & Sons Co Oshkosh Wis (198)
Peaslee-Gaulbert Paint & Varnish Co Louisville Ky
Pecora Paint Co American & Venango Philadelphia 40 Pa
Pittsburgh Plate Glass Co 2000 Grant Bldg Pittsburgh 19 Pa (43)
Reardon Co St Louis 6 Mo (46)
Ricketson Mineral Color Wks Milwaukee Wis
Rogers Paint Products Inc 8250 St Aubin Av Detroit 11 Mich
Sherwin-Williams Co Cleveland O (39)
Steelcote Mfg Co 3418 Gratiot St Louis 3 Mo (156)
The Sullivan Co P O Box 2606 Memphis 2 Tenn (234)
Tamms-Silica Co 228 N La Salle Chgo 1 Ill
U S Gypsum Co 300 W Adams Chgo 6
Vita-Var Corp Newark N J (350)
Wadsworth Howland & Co 141 Federal Boston Mass
Wesco Waterpaints Inc East Boston Mass

PAINT—cement, brick, concrete

Acme White Lead & Color Wks 8250 St Aubin Av Detroit 11 Mich
Adensite Co Inc 37-19 23rd St L I City NY
Alabastine Paint Prod Grand Rapids Mich
American Fluresit Co Cincinnati 29 O
American Marietta Co 43 E Ohio Chgo 11 Ill
Anti-Hydro-Waterproofing Co Newark N J
Baltimore Paint & Color Works Baltimore 23 Md
The Black Diamond Paint & Varnish Works Inc 1209 Bank St Cincinnati 14 Ohio
Boston Varnish Co Boston 49 Mass (33)
Breinig Brothers Inc 1st & Harrison Hoboken N J
Samuel Cabot Inc 141 Milk St Boston 9 Mass (180)
Calbar Paint & Varnish Co 2612 N Martha Phil 25 Pa
Carbola Chemical Co Inc Natural Bridge N Y
Carbozite Corp First National Bank Bldg Pittsburgh Pa
Celadri Corp 652 Willis Ave Williston Park N Y (145)
Ceresit Waterproofing Corp 512 S Canal Chicago 7 Ill
Chi-Namel Paint & Varnish Co Minneapolis Minn
E D Coddington Mfg Co Milwaukee 9 Wis
De Soto Paint & Varnish Co Memphis Tenn
Devoe & Raynolds Co Inc 787 1st Av NY 17 NY (183)
E I du Pont de Nemours & Co Inc Wilmington Del (177)
Enterprise Paint Mfg Co 337 S Peoria Chgo 7 Ill
Evercrete Corp 19 W 44th NY 18 NY
Ford Roofing Prod Co 111 W Washington Chgo Ill
M Ewing Fox Co Inc 240 E 136th NY NY
The Foy Paint Co Inc Cincinnati 12 Ohio
W P Fuller & Co 301 Mission San Fran 19 Cal
Glidden Co Cleveland O
Grand Rapids Varnish Corp 565 Godfrey Av S W Grand Rapids 2 Mich
Great Lakes Varnish Wks Inc 2215 N Pulaski Chgo Ill
A C Horn Co 43-36 Tenth Long Island City N Y
I F Laucks Inc 911 Western Av Seattle 4 Wash
Lowe Bros Co Dayton O (30-31)
John Lucas & Co Phil Pa
Martin Senour Co 2520 Quarry Chgo Ill
J W Masury & Son Inc Sharp & Ostend Baltimore Md
Minnesota Linseed Oil Paint Co Minneapolis Minn
Benj Moore & Co 511 Canal NY NY
Muralo Co Inc 566 Richmond Terrace Staten Island N Y
National Gypsum Co Buffalo N Y (40-41)
O'Brien Varnish Co So Bend Ind (187)
The Paraffine Companies Inc 475 Brannan St San Francisco 19 Cal
Ira Parker & Sons Co Oshkosh Wis (198)
Patterson Sargent Co Cleveland O
Peaslee-Gaulbert Co Louisville Ky
Pecora Paint Co Phil Pa
Phelan-Faust Paint Mfg Co St Louis Mo
Pittsburgh Plate Glass Co 2000 Grant Bldg Pittsburgh 19 Pa (43)
Pratt & Lambert Inc 75 Tonawanda Buffalo 7 NY
Reardon Co St Louis 6 Mo (46)
Reilly Tar & Chemical Corp Indianapolis 4 Ind
Republic Creosoting Co Indianapolis 4 Ind
Ricketson Mineral Color Wks Milwaukee Wis
Rogers Paint Products Inc 8250 St Aubin Av Detroit 11 Mich
Sealcon Prod Inc 927 Second Av S Minneapolis 2 Minn
Sherwin-Williams Co Cleveland O (39)
Smooth-On Mfg Co 568-574 Communipaw Av Jersey City 4 N J
L Sonneborn Sons Inc 88 Lexington Av NY 16 NY
Steelcote Mfg Co 3418 Gratiot St Louis 3 Mo (156)
The Sullivan Co P O Box 2606 Memphis 2 Tenn (234)
Tamms-Silica Co 228 N La Salle Chgo 1 Ill
Thompson & Co Oakmont Pa
Truscon Labs Detroit Mich
U S Gutta Percha Paint Co Dept 19 Dudley & Eddy Providence 1 R I
United States Gypsum Co 300 W Adams Chgo Ill
Vita-Var Corp Newark N J (350)
Wadsworth Howland & Co 141 Federal Boston Mass
Wilbur & Williams Co Boston 16 Mass
C A Woolsey Paint & Color Co 229 E 42 NY NY

PAINT—dry kiln

Atlantic Varnish & Paint Co Inc P O Box 474 Richmond Va
Baltimore Paint & Color Works Baltimore 23 Md
Breinig Bros Inc 1st & Harrison Hoboken N J
Black Cat Corp Hattiesburg Miss
Enterprise Paint Mfg Co 337 S Peoria Chgo 7 Ill
Federal Varnish Co 337 S Peoria Chgo 7 Ill
Globe Paint Wks Inc 202-208 Market Williamsport 5 Pa
Grand Rapids Vapor Kiln Inc Grand Rapids 2 Mich
Moore Dry Kiln Co P O Box 4248 Jacksonville 1 Fla (227)
Pittsburgh Plate Glass Co 2000 Grant Bldg Pittsburgh 19 Pa (43)
Sherwin-Williams Co Cleveland O (39)
Standard Dry Kiln Co P O Box 541 Indianapolis Ind
Steelcote Mfg Co 3418 Gratiot St Louis 3 Mo (156)
The Sullivan Co P O Box 2606 Memphis 2 Tenn (234)

PAINT—lead

American Marietta Co 43 E Ohio Chgo 11 Ill
Atlantic Varnish & Paint Co Inc P O Box 474 Richmond Va
Baltimore Paint & Color Works Baltimore 23 Md
Boston Varnish Co Boston 49 Mass (33)
Breinig Brothers Inc 1st & Harrison Hoboken N J
Briggs Maroney Co Inc Everett 49 Mass
Devoe & Raynolds Co Inc 787 1st Av NY 17 NY (183)
The Eagle Picher Co Cincinnati 1 Ohio
Enterprise Paint Mfg Co 337 S Peoria Chgo 7 Ill
Forman Ford & Co 111 Second S Minneapolis 1 Minn
W P Fuller & Co 301 Mission San Fran 19 Cal
Glidden Co Cleveland O
Grand Rapids Varnish Corp 565 Godfrey Av S W Grand Rapids 2 Mich
A C Horn Co 43-42 Tenth Long Island City 1 NY
Inland White Lead Co 741 W Gladys Chgo Ill
Natl Lead Co 111 Broadway NY NY
The Paraffine Companies Inc 475 Brannan St San Francisco 19 Cal
Pittsburgh Plate Glass Co 2000 Grant Bldg Pittsburgh 19 Pa (43)
Rogers Paint Products Inc 8250 St Aubin Av Detroit 11 Mich
Sherwin-Williams Co Cleveland O (39)
L Sonneborn Sons Inc 88 Lexington Av NY 16 NY
Steelcote Mfg Co 3418 Gratiot St Louis 3 Mo (156)
The Sullivan Co P O Box 2606 Memphis 2 Tenn (234)
Truscon Labs Detroit Mich

PAINT— lumber end check degrade

The Akron Paint & Varnish Co Akron 1 Ohio (176)
Atlantic Varnish & Paint Co Inc P O Box 474 Richmond Va
Baltimore Paint & Color Works Baltimore 23 Md
Black Cat Corp Hattiesburg Miss
Breinig Bros Inc 1st & Harrison Hoboken N J
Chi-Namel Paint & Varnish Co Minneapolis Minn
Enterprise Paint Mfg Co 337 S Peoria Chgo 7 Ill
Forman Ford & Co 111 Second S Minneapolis 1 Minn
Glidden Co Cleveland O
Kalamazoo Paraffine Co Kalamazoo 24 Mich
Minnesota Linseed Oil Paint Co Minneapolis Minn
Moore Dry Kiln Co P O Box 4248 Jacksonville 1 Fla (227)

Number in parenthesis indicates page on which advertisement appears

Pittsburgh Plate Glass Co 2000 Grant Bldg Pittsburgh 19 Pa (43)
L Sonneborn Sons Inc 88 Lexington Av NY 16 NY
The Sullivan Co P O Box 2606 Memphis 2 Tenn (234)

PAINT—marine

Atlantic Varnish & Paint Co Inc P O Box 474 Richmond Va
Baltimore Paint & Color Works Baltimore 23 Md
Boston Varnish Co Boston 49 Mass (33)
Breinig Bros Inc 1st & Harrison Hoboken N J
Briggs Maroney Co Inc Everett 49 Mass
Samuel Cabot Inc 141 Milk St Boston 9 Mass (180)
Carbozite Corp First National Bank Bldg Pittsburgh Pa
Chi-Namel Paint & Varnish Co Minneapolis Minn
De Soto Paint & Varnish Co Memphis Tenn
Devoe & Raynolds 787 1st Av NY 17 NY (183)
E I du Pont de Nemours & Co Inc Wilmington Del (177)
Enterprise Paint Mfg Co 337 S Peoria Chgo 7 Ill
Glidden Co Cleveland O
Globe Paint Wks Inc 202-208 Market Williamsport 5 Pa
Grand Rapids Varnish Corp 565 Godfrey Av S W Grand Rapids 2 Mich
A C Horn Co 43-36 Tenth Long Island City N Y
John Lucas & Co Inc Philadelphia Pa
Martin Senour Co 2520 Quarry Chgo Ill
Minnesota Linseed Oil Paint Co Minneapolis Minn
Nox-Rust Chemical Corp 2425 S Halsted Chgo 8 Ill
O'Brien Varnish Co South Bend Ind (187)
The Paraffine Companies Inc 475 Brannan St San Francisco 19 Cal
Pittsburgh Plate Glass Co 2000 Grant Bldg Pittsburgh 19 Pa (43)
Rogers Paint Products Inc 8250 St Aubin Av Detroit 11 Mich
Sherwin-Williams Co Cleveland O (39)
The Sullivan Co P O Box 2606 Memphis 2 Tenn (234)
Tremco Mfg Co 8701 Kinsman Road Cleveland 4 Ohio
Valentine & Co Inc 11 E 36th NY 16 NY
The Wilbur & Williams Co Boston 16 Mass

PAINT—metallic

Advance Paint Co Indianapolis Ind
Alabastine Paint Prod Grand Rapids Mich
The Alcatraz Co Inc Richmond 20 Va
American Asphalt Roof Corp Kansas City Mo
American Marietta Co 43 E Ohio Chgo 11 Ill
Atlantic Varnish & Paint Co Inc P O Box 474 Richmond Va
Baker Paint & Varnish Co Jersey City 4 N J
Baltimore Paint & Color Works Baltimore 23 Md
Barrett Div Allied Chemical & Dye Corp 40 Rector NY NY (38)
The Black Diamond Paint & Varnish Works Inc 1209 Bank St Cincinnati 14 Ohio
Blue Ridge Talc Co Inc Henry Va
Breinig Bros Inc 1st & Harrison Hoboken N J
Briggs Maroney Co Inc Everett 49 Mass
A Burdsal Co Indianapolis Ind
Samuel Cabot Inc 141 Milk St Boston 9 Mass (180)
Calbar Paint & Varnish Co 2612 N Martha Phil 25 Pa
Carbozite Corp First National Bank Bldg Pittsburgh Pa
Carter Paint Co Liberty Ind
Cheesman-Elliot Co Inc 647 Kent Av Brooklyn 11 N Y
Chi-Namel Paint & Varnish Co Minneapolis Minn
Colorado Paint Co 3551 Blake Denver 5 Colo
De Soto Paint & Varnish Co Memphis Tenn
Devoe & Raynolds Co 787 1st Av NY 17 NY (183)
E I du Pont de Nemours & Co Inc Wilmington Del (177)
Eberson-Lindsley Paint Co 1601 N Broadway St Louis Mo
The Edwards Mfg Co Cincinnati 2 Ohio (160)
Enterprise Paint Mfg Co 337 S Peoria Chgo 7 Ill
Federal Varnish Co 337 S Peoria Chgo 7 Ill
Forbes Varnish Co Cleveland 11 Ohio
Fort Pitt Chem Co Pittsburgh 22 Pa
The Foy Paint Co Inc Cincinnati 12 Ohio
W P Fuller & Co 301 Mission San Fran 19 Cal
Gillespie Varnish Co Dey & Howell Sts Jersey City N J
Glidden Co Cleveland O
Globe Paint Wks Inc 202-208 Market Williamsport 5 Pa
Grand Rapids Varnish Corp 565 Godfrey Av S W Grand Rapids 2 Mich
Inter-State Oil Co Kansas City 3 Kan
The R F Johnston Paint Co Cincinnati 12 Ohio
W W Lawrence & Co 1124 W Carson Pittsburgh 19 Pa
Lehon Co 4425 S Oakley Av Chgo Ill
Lowe Bros Co Dayton O (30-31)
John Lucas & Co Philadelphia Pa
Lyon Conklin & Co Baltimore 30 Md
Mar-Kay Mfg Co 2715 S Second St St Louis Mo
Minnesota Linseed Oil Paint Co Minneapolis Minn
B F Nelson Mfg Co Minneapolis 13 Minn
O'Brien Varnish Co So Bend Ind (187)
The Paraffine Companies Inc 475 Brannan St San Francisco 19 Cal
Pecora Paint Co Philadelphia Pa
Phelan-Faust Paint Mfg Co St Louis Mo
The Pioneer Mfg Co Cleveland 4 Ohio
Pittsburgh Plate Glass Co 2000 Grant Bldg Pittsburgh 19 Pa (43)
The Premier Chemical Corp Cleveland 10 Ohio
Rutland Fire Clay Co Rutland Vt
Sargent-Gerke Co Indianapolis 6 Ind
Seidlitz Paint & Varnish Co Kansas City Mo
Sheboygan Paint Co Sheboygan Wis
Sherwin-Williams Co Cleveland O (39)
L Sonneborn Sons Inc 88 Lexington Av NY 16 NY
Steelcote Mfg Co 3418 Gratiot St Louis 3 Mo (156)
The Sullivan Co P O Box 2606 Memphis 2 Tenn (234)
Thompson & Co Oakmont Pa
Truscon Lab Detroit Mich
20th Century Paint & Varnish Co 30 Roebling Brooklyn 11 N Y
U S Gutta Percha Paint Co Dept 19 Dudley & Eddy Providence 1 R I
Valentine & Co Inc 11 E 36th NYC NY
Vita-Var Corp Newark N J (350)
Wadsworth Howland & Co 141 Federal Boston Mass
Wilbur & Williams Co Boston 16 Mass
9 Mass (180)
C A Woolsey Paint & Color Co 229 E 42nd NY NY

PAINT—tree

Atlantic Varnish & Paint Co Inc P O Box 474 Richmond Va
Baltimore Paint & Color Works Baltimore 23 Md
Black Cat Corp Hattiesburg Miss
Samuel Cabot Inc 141 Milk St Boston 9 Mass (180)
Carter Paint Co Liberty Ind
Glidden Co Cleveland O
A C Horn Co 43-42 Tenth Long Island City 1 NY
Lowe Bros Co Dayton O (30-31)
Pecora Paint Co Philadelphia Pa
Pittsburgh Plate Glass Co 2000 Grant Bldg Pittsburgh 19 Pa (43)
Steelcote Mfg Co 3418 Gratiot St Louis 3 Mo (156)
The Sullivan Co P O Box 2606 Memphis 2 Tenn (234)

PAINT REMOVER

Acme White Lead & Color Wks 8250 St Aubin Av Detroit 11 Mich
American Marietta Co 43 E Ohio Chgo 11 Ill
Atlantic Varnish & Paint Co Inc P O Box 474 Richmond Va
Baltimore Paint & Color Works Baltimore 23 Md
Boston Varnish Co Boston 49 Mass (33)
Boyle-Midway Inc 257 Cornelison Av Jersey City 2 N J (142)
Breinig Brothers Inc 1st & Harrison Hoboken N J
Briggs Maroney Co Inc Everett 49 Mass
Chi-Namel Paint & Varnish Co Minneapolis Minn
Consumers Glue Co St Louis 6 Mo
The Dow Chemical Co Midland Mich (147)
E I du Pont de Nemours & Co Inc Wilmington Del (177)
Forman Ford & Co Minneapolis 1 Minn
W P Fuller & Co 301 Mission San Fran 19 Cal
Glidden Co Cleveland O
Grand Rapids Varnish Corp 565 Godfrey Av S W Grand Rapids 2 Mich
Great Lakes Varnish Wks Inc 2215 N Pulaski Chgo Ill
Industrial Chemical Development Corp 347 Madison Av New York 17 N Y
Martin Senour Co 2520 Quarry Chgo Ill
Minnesota Linseed Oil Paint Co Minneapolis Minn
Oakite Products Inc 22 Thames New York 6 N Y
O'Brien Varnish Co South Bend Ind (187)
The Paraffine Companies Inc 475 Brannan St San Francisco 19 Cal
Pittsburgh Plate Glass Co 2000 Grant Bldg Pittsburgh 19 Pa (43)
Pratt & Lambert Inc 75 Tonawanda Buffalo 7 NY
Reliable Paste Co 3560 Shields Av Chgo 9 Ill
Rogers Paint Products Inc 8250 St Aubin Av Detroit 11 Mich
Sargent-Gerke Co Indianapolis 6 Ind
The Savogran Co Boston 10 Mass (28)
Tamms-Silica Co 228 N La Salle Chgo 1 Ill
Valentine & Co Inc 11 E 36th NY 16 NY
Wadsworth Howland & Co 141 Federal Boston Mass

PAINT STICKS

The A Burdsal Co Indianapolis 9 Ind
Markal Co 607R N Western Av Chgo 12 Ill
Pittsburgh Plate Glass Co 2000 Grant Bldg Pittsburgh 19 Pa (43)

PAINTERS DROP CLOTHS

Fulton Bag & Cotton Mills Atlanta 1 Ga (174)

PAINTERS' SUPPLIES

The Glidden Co 11001 Madison Av Cleveland 2 Ohio
Holley Chemical Co 122 E 25th St New York 10 N Y (deodorant)
Landers Frary & Clark New Britain Conn
Red Devil Tools Irvington 11 N Y (139)
Stencil Specialty Co 388 Ocean Av Jersey City N J
Truscon Laboratories Detroit Mich
United Wire Goods Mfg Co Inc 1150 Broadway New York N Y
Wendell Mfg Co 4234 N Lincoln Av Chgo 18 Ill

PALLETS—wooden

Sullivan Industries Inc Sullivan Ill (22)

PAPER—asbestos

Acme Asbestos Covering & Flooring Co 244 N Elizabeth Chgo 7 Ill
Philip Carey Mfg Co Cincinnati 15 O
Curtis Asbestos Co 29 Lewis Wharf Boston 10 Mass
Ehret Magnesia Mfg Co Inc Valley Forge Pa
Johns-Manville Corp 22 E 40th NY 16 NY (62-63)
Keasbey & Mattison Co Ambler Pa
The Ruberoid Co 500 Fifth Av NY 18 NY
Smith & Kanzler Inc Elizabeth N J
Standard Asbestos Mfg Co 820 W Lake Chgo 7 Ill
Thilmany Pulp & Paper Co Kaukauna Wis

PAPER—building, roofing & sheathing

American Asphalt Roof Corp Kansas City Mo
Angier Sales Corp Framingham Mass
Bird & Son Inc East Walpole Mass
Philip Carey Mfg Co Cincinnati 15 O
Celotex Corp 120 S LaSalle Chgo Ill (136)
Certain-teed Prods Corp 120 S LaSalle Chgo Ill (60)
Fleming & Sons Inc Dallas Tex
Flintkote Co 30 Rockefeller Plaza NY NY (10)
Ford Roofing Prod Co 111 W Washington Chgo Ill
Globe Roofing Prod Co Inc Whiting Ind
Johns-Manville Corp 22 E 40th NY 16 NY (62-63)
Koppers Co Tar & Chemical Div Pittsburgh Pa

Number in parenthesis indicates page on which advertisement appears

Lehon Co 4425 S Oakley Av Chgo Ill
B F Nelson Mfg Co Minneapolis Minn
The Paraffine Companies Inc 475 Brannan St San Francisco 19 Cal
Reilly Tar & Chemical Corp Indianapolis Ind
The Richkraft Co Builders Bldg Chgo 1 Ill (181)
The Ruberoid Co 500 Fifth Av NY 18 NY
The Sisalkraft Co 205 W Wacker Dr Chgo 6 Ill (140-168)
Thilmany Pulp & Paper Co Kaukauna Wis
United States Gypsum Co 300 W Adams Chgo Ill

PAPER—concrete curing

Angier Sales Corp Framingham Mass
Certain-teed Prods Corp 120 S LaSalle Chgo Ill (60)
The Richkraft Co Builders Bldg Chicago 1 Ill (181)
The Ruberoid Co 500 Fifth Av NY 18 NY
The Sisalkraft Co 205 W Wacker Dr Chgo 6 Ill (140-168)

PAPER—decorative building

Fleming & Sons Inc Dallas Tex

PARTITIONS—glass counter

Cyclone Fence Div American Steel & Wire Co., P O Box 260 Waukegan 1 Ill (165)
W C Heller & Co 539 N Clark St Montpelier Ohio
Pittsburgh Plate Glass Co 2000 Grant Bldg Pittsburgh 19 Pa (17)

PARTITIONS—glass wall

Libbey-Owens-Ford Co Toledo O (9)
Pennsylvania Wire Glass Co 1612 Market Philadelphia 3 Pa
Pittsburgh Plate Glass Co Pittsburgh Pa (17)

PATCHER—concrete

American Fluresit Co Cincinnati 29 O
Anti-Hydro Waterproofing Co Newark 8 N J
Ceresit Waterproofing Corp 512 S Canal Chgo 7 Ill
E D Coddington Mfg Co Milwaukee 9 Wis
Consumers Glue Co St Louis 6 Mo
M E Curtis Mfg Co 29 Lewis Wharf Boston 10 Mass
Evercrete Corp 19 W 44 NY 18 NY
L Sonneborn Sons Inc 88 Lexington Av NY 16 NY

PATTERNS—homecraft, bldg. & woodworking

Easi Bild Pattern Co Pleasantville N Y
Western Foundry Co 2400 SW Water Av Portland 1 Ore

PENCILS—carpenters'

Blaisdell Pencil Co Philadelphia Pa
Jos Dixon Crucible Co Jersey City N J
Eagle Pencil Co 703 E 13th NY 9 NY
Economy Novelty & Prtg Co 225 W 39 NY 18 NY
A W Faber Inc Newark N J
The Kemper Thomas Co Cincinnati 12 Ohio
The Thos D Murphy Co Red Oak Iowa

PENCILS—drawing

Jos Dixon Crucible Co Jersey City 3 N J
Eagle Pencil Co 703 E 13th NY 9 NY
Eugene Dietzgen 2425 N Sheffield Av Chgo Ill
Keuffel & Esser Co Adams & Third Hoboken N J
Koh-I-Noor Pencil Co 373 Fourth Av NY NY

PIPE—asbestos cement

Johns-Manville Corp 22 E 40th NY 16 NY (62-63)
Keasbey & Mattison Co Ambler Pa
Standard Asbestos Mfg Co 822 W Lake Chgo Ill

PIPE—clay, sewer

Cannelton Sewer Pipe Co Inc Cannelton Ind
Chicago Fire Brick Co 1461 N Elston Av Chgo Ill
Columbia Pipe Co Columbia S C
S R Dee Bloomingdale Ind
Dennison Sewer Pipe Co Dennison Ohio
Denver Sewer Pipe & Clay Co Denver Colo
W. S. Dickey Clay Mfg Co Kansas City Mo
Evans Pipe Co Uhrichsville O
Fairmont Wall Plaster Co Fairmont W Va
Gladding-McBean & Co Los Angeles Calif
Laclede-Christy Clay Prod Co St Louis Mo
Lehigh Sewer Pipe & Tile Co Ft Dodge Ia
Robinson Clay Products Co Akron O
Streator Drain Pipe Co Streator Ill
Universal Sewer Pipe Corp Cleveland O
Washington Brick & Lime Co Spokane 8 Wash.
What Cheer Clay Prod Co What Cheer Ia

PIPE—conductor, eaves trough

American Rolling Mill Co Middletown O
Chase Brass & Copper Co Waterbury 91 Conn
The Edwards Mfg Co 427-477 Culvert Cincinnati Ohio (160)
Klauer Mfg Co Dubuque Ia
La Crosse Steel Roofing & Corrugating Co La Crosse Wis
Martin Metal Mfg Co Wichita Kans
Milcor Steel Co 4101 W Burnham Milwaukee 4 Wis (161)
Newport Rolling Mill Co Newport Ky
Northwest Metal Prod Inc Seattle 4 Wash
Reeves Steel & Mfg Co Dover Ohio
Republic Steel Corp Republic Bldg Cleveland 1 Ohio
Wheeling Corrugating Co Wheeling W Va (42)
Williams-Wallace Co San Francisco Calif
York Corrugating Co York Pa

PIPE—fibre

Crane Company 836 S Michigan Av Chgo Ill
Fibre Conduit Co Orangeburg NY (180)
Johns-Manville Corp 22 E 40th New York 16 N Y (62-63)

PIPE—iron culvert

American Rolling Mill Co Middletown Ohio
Beall Pipe & Tank Corp Portland Ore
Bethlehem Steel Co Bethlehem Pa
The Edwards Mfg Co 427-477 Culvert Cincinnati Ohio (160)
Newport Rolling Mill Co Newport Ky
Republic Steel Corp Republic Bldg Cleveland 1 Ohio
St Paul Corrugating Co St Paul Minn
Wheeling Corrugating Co Wheeling W Va (42)

PIPE—steel

American Rolling Mill Co Middletown Ohio
Beall Pipe & Tank Corp Portland Ore
Bethlehem Steel Co Bethlehem Pa
J G Braun Co 609 S Paulina Chgo 12 Ill (square & rectangular)
Crane Company 836 S Michigan Av Chgo Ill
Dempster Mill Mfg Co Beatrice Neb
Houston Blow Pipe & Sheet Mtl Wks Houston Tex (20, 172)
Jones & Laughlin Steel Corp Pittsburgh Pa
Laclede Steel Co St Louis Mo
Republic Steel Corp Republic Bldg Cleveland 1 Ohio
Wheeling Steel Corp Wheeling W Va (42)
Youngstown Steel Prods Youngstown O

PIPE—wood

Baltimore Cooperage Tank & Tower Co Baltimore Md
Caspar Lbr Co San Francisco Calif
Federal Pipe & Tank Co Seattle Wash
M & M Wood Working Co Resnprest Div 2301 N Columbia Portland 3 Ore
Pacific Wood Tank Corp San Francisco 5 Calif
Redwood Mfrs Co Pittsburg Calif
U S-Challenge Co Batavia Ill
A Wyckoff & Son Co Elmira N Y

PIPE CLEANERS—chemical

L B Allen Co Inc 6727 W Bryn Mawr Av Chgo Ill
Amer Prods Co Cincinnati O
B T Babbitt Inc 386 4th Av New York 16 N Y
Black Swan Mfg Co 2235 W Grand Av Chgo Ill
Boyer Chem Laby Co Inc 2700 Wabash Av Chgo Ill
M E Curtis Mfg Co Boston Mass
R M Hollingshead Co Camden N J
Oakite Products Inc 22 Thames New York 6 N Y
Pennsylvania Salt Mfg Co Philadelphia 7 Pa
Pioneer Mfg Co Cleveland Ohio
Rutland Fire Clay Co Rutland Vt
Saginaw Salt Prods Co Saginaw Mich
U S Sanitary Specialties Co 435 S Western Av Chgo 12 Ill

PIPE COVERING—asbestos

Philip Carey Mfg Co Cincinnati 15 O
Crane Company 836 S Michigan Av Chgo Ill
Curtis Asbestos Co 29 Lewis Wharf Boston 10 Mass
Ehret Magnesia Mfg Co Inc Valley Forge Pa
Johns-Manville Corp 22 E 40th New York 16 N Y (62-63)
Keasbey & Mattison Co Ambler Pa
The Ruberoid Co 500 Fifth Av NY 18 NY
Smith & Kanzler Inc Elizabeth 2 N J
Standard Asbestos Mfg Co 820 W Lake Chgo 7 Ill

PIPE JOINT COMPOUNDS

Baltimore Paint & Color Works Baltimore 23 Md
Black Swan Mfg Co 2235 W Grand Av Chgo Ill
Blue Ridge Talc Co Inc Henry Va
Calbar Paint & Varnish Co 2612 N Martha Phil 25 Pa
M E Curtis Mfg Co 29 Lewis Wharf Boston 10 Mass
Jos Dixon Crucible Co Jersey City N J
Irvington Varnish & Insulator Co Irvington N J
Johns-Manville Corp 22 E 40th New York 16 N Y (62-63)
The Pioneer Mfg Co Cleveland 4 Ohio
Ranetite Mfg Co Inc 1917 S Broadway St Louis Mo (212)
Reilly Tar & Chemical Corp Indianapolis 4 Ind
Republic Creosoting Co Indianapolis 4 Ind
The Robinson Clay Product Co Akron 8 Ohio
Rutland Fire Clay Co Rutland Vt
Sauereisen Cements Co Pittsburgh 15 Pa
Smooth-On Mfg Co 568-574 Communipaw Av Jersey City 4 N J
So-Lo Wks Inc Loveland O
Steelcote Mfg Co 3418 Gratiot St Louis 3 Mo (156)
What Cheer Clay Products Co What Cheer Iowa
X-Pando Corp 43-15 36th Long Island City N Y

PIPE & TUBING—plastic

Broadway Rubber Mfg Co 529 E Broadway Louisville 2 Ky (210)
Detroit Macoid Corp Detroit Mich
Extruded Plastics Inc Norwalk Conn
General Electric Co Chemical Dept Pittsfield Mass
Irvington Varnish & Insulator Co Irvington N J
The B F Goodrich Co Akron Ohio
R D Werner Co Inc 380 Second Av New York N Y (8)

PLAN SERVICES—house, farm

Brown-Blodgett Co St Paul Minn
L F Garlinghouse Co Topeka Kan
Home Plan Book Co St Paul 5 Minn
Lumbermans Plan Service 120 Machin Peoria Ill (234)
National Plan Service 1315 W Congress Chgo Ill
Continental Steel Corp Kokomo Ind

PLANK—extension

W W Babcock Co Bath N Y
J R Clark Co Minneapolis 5 Minn
Rich Ladder Mfg Co 1000 Depot St Cincinnati Ohio
John S Tilley Ladders Co Inc Watervliet N Y
Zoss Ladder & Mfg Co Portland 1 Ore (58)

PLANK—fibre insulating

Armstrong Cork Co Bldg Materials Div Lancaster Pa
Celotex Corp 120 S LaSalle Chgo Ill (136)
Fir-Tex Porter Bldg Portland 4 Ore

Number in parenthesis indicates page on which advertisement appears

The Flintkote Co 30 Rockefeller Plaza New York NY (10)
Johns-Manville Corp 22 E 40th New York 16 N Y (62-63)
Insulite Minneapolis 2 Minn (185)
Masonite Corp 111 W Washington Chgo Ill
National Gypsum Co Buffalo NY (40-41)
U S Gypsum Co 300 W Adams Chgo Ill
Wood Conversion Co St Paul Minn (18-19)

PLANK—gypsum

Certain-teed Prod Corp 120 S La Salle Chgo Ill (60)
Natl Gypsum Co Buffalo N Y (40-41)
U S Gypsum Co 300 W Adams Chgo 6 Ill

PLASTER—acoustical

Celotex Corp 120 S LaSalle Chgo Ill (136)
Certain-teed Prods Corp 120 S LaSalle Chgo Ill (60)
Johns-Manville Corp 22 E 40th New York 16 N Y (62-63)
Kelley Island Lime & Transport Co 1122 Leader Bldg Cleveland 14 Ohio
Mission Lime Products Corp Los Angeles 12 Calif
Natl Gypsum Co Buffalo N Y (40-41)
Sealcon Products Inc 927 Second Av S Minneapolis 2 Minn
U S Gypsum Co 300 W Adams Chgo 6 Ill
Universal Zonolite Insulation Co 135 S LaSalle Chgo Ill (155)

PLASTER—casting

Celotex Corp 120 S LaSalle Chgo Ill (136)
Certain-teed Prods Corp 120 LaSalle Chgo Ill (60)
Colorado Portland Cement Co Denver Natl Bldg Denver 2 Colo
Natl Gypsum Co Buffalo NY (40-41)
Sealcon Products Inc 927 Second Av S Minneapolis 2 Minn
Tamms Silica Co 228 N LaSalle Chgo 1 Ill
U S Gypsum Co 300 W Adams Chgo 6 Ill

PLASTER—cedar

E D Coddington Mfg Co Milwaukee 9 Wis
The Sullivan Co P O Box 2606 Memphis 2 Tenn (234)

PLASTER—colored finishing

Celotex Corp 120 S LaSalle Chgo Ill (136)
E D Coddington Mfg Co Milwaukee 9 Wis
Grand Rapids Plaster Co Grand Rapids 2 Mich
National Gypsum Co Buffalo NY (40-41)
Ohio Hydrate & Supply Co Woodville O
Sealcon Products Inc 927 Second Av S Minneapolis 2 Minn
The Sullivan Co P O Box 2606 Memphis 2 Tenn (234)
Tamms-Silica Co 228 N La Salle Chgo 1 Ill
U S Gypsum Co 300 W Adams Chgo 6 Ill

PLASTER—fibered

Celotex Corp 120 S LaSalle Chgo Ill (136)
Certain-teed Products Corp 120 S LaSalle Chgo Ill (60)
E D Coddington Mfg Co Milwaukee 9 Wis
Colorado Portland Cement Co Denver Natl Bldg Denver 2 Colo
Fairmont Wall Plaster Co Fairmont W Va
Grand Rapids Plaster Co Grand Rapids 2 Mich
National Gypsum Co Buffalo NY (40-41)
Ohio Hydrate & Supply Co Woodville O
Sealcon Products Inc 927 Second Av S Minneapolis 2 Minn
U S Gypsum Co 300 W Adams Chgo Ill
Woodville Lime Prods Co Toledo O

PLASTER—gypsum

Celotex Corp 120 S LaSalle Chgo Ill (136)
Certain-teed Prods Corp 120 S LaSalle Chgo (60)
Colorado Portland Cement Co Denver Natl Bldg Denver 2 Colo
Fairmont Wall Plaster Co Fairmont W Va
Grand Rapids Plaster Co Grand Rapids 2 Mich
National Gypsum Co Buffalo NY (40-41)
Texas Cement Plaster Co Oklahoma City Okla
Sealcon Products Inc 927 Second Av S Minneapolis 2 Minn
U S Gypsum Co 300 W Adams Chgo Ill

PLASTER—insulating

Celotex Corp 120 S LaSalle Chgo Ill (136)
Mission Lime Products Corp Los Angeles 12 Calif
Sealcon Products Inc 927 Second Av S Minneapolis 2 Minn
Universal Zonolite Insulation Co 135 S LaSalle Chgo Ill (155)

PLASTER—lime

Celotex Corp 120 S LaSalle Chgo Ill (136)
Gibsonburg Lime Prod Co Gibsonburg Ohio
Grand Rapids Plaster Co Grand Rapids 2 Mich
Kelley Island Lime & Transport Co 1122 Leader Bldg Cleveland 14 Ohio
Ohio Hydrate & Supply Co Woodville O
Sealcon Products Inc 927 Second Av S Minneapolis 2 Minn
U S Gypsum Co 300 W Adams Chgo 6 Ill
Woodville Lime Prods Toledo O

PLASTER—patching

Alabastine Paint Products Grand Rapids 9 Mich
Black Swan Mfg Co 2235 W Grand Av Chgo Ill
Certain-teed Prods Corp 120 S LaSalle Chgo Ill (60)
Consumers Glue Co St Louis 6 Mo
E D Coddington Mfg Co Milwaukee 9 Wis
Commercial Paste Co Columbus 8 O
Consumers Glue Co St Louis 18 Mo
M E Curtis Mfg Co 29 Lewis Wharf Boston 10 Mass
Grand Rapids Plaster Co Grand Rapids 2 Mich
Muralo Co Inc 566 Richmond Terrace Staten Island N Y
National Gypsum Co Buffalo NY (40-41)
Pecora Paint Co Philadelphia 40 Pa
Pittsburgh Plate Glass Co Paint Div Pittsburgh Pa (43)
Reardon Co St Louis Mo (46)
Reliable Paste Co 3560 Shields Av Chgo 9 Ill
Rutland Fire Clay Co Rutland Vt
Savogran Co Boston 10 Mass (28)
Sealcon Products Inc 927 Second Av S Minneapolis 2 Minn
Tamms-Silica Co 228 N La Salle Chgo 1 Ill
U S Gypsum Co 300 W Adams Chgo 6 Ill

PLASTERBOARD

Barrett Div Allied Chem & Dye Corp 40 Rector NY NY (38)
Celotex Corp 120 So LaSalle Chgo Ill (136)
Certain-teed Products Corp 120 S LaSalle Chgo Ill (60)
Grand Rapids Plaster Co Grand Rapids 2 Mich
National Gypsum Co Buffalo NY (40-41)
U S Gypsum Co 300 W Adams Chgo Ill

PLASTER OF PARIS

Celotex Corp 120 So LaSalle Chgo Ill (136)
Certain-teed Prods Corp 120 S LaSalle Chgo Ill (60)
Colorado Portland Cement Co Denver Natl Bldg Denver 2 Colo
Fairmont Wall Plaster Co Fairmont W Va
Grand Rapids Plaster Co Grand Rapids 2 Mich
National Gypsum Co Buffalo NY (40-41)
Ohio Hydrate & Supply Co Woodville O
Reliable Paste Co 3560 Shields Av Chgo Ill
Ricketson Mineral Color Wks Milwaukee Wis
Rutland Fire Clay Co Rutland Vt
Sealcon Products Inc 927 Second Av S Minneapolis 2 Minn
Tamms-Silica Co 228 N La Salle Chgo 1 Ill
United Gilsonite Labs Scranton Pa
U S Gypsum Co 300 W Adams Chgo 6 Ill

PLASTIC—waterproof

American Asphalt Roof Corp Kansas City Mo
Barrett Div Allied Chemical & Dye Corp 40 Rector NY NY (38)
Broadway Rubber Mfg Co 529 E Broadway Louisville 2 Ky (210)
E I DuPont de Nemours & Co Inc Wilmington 98 Del (177)
Johns-Manville Corp 22 E 40th NY 16 NY (62-63)
National Adhesives Div of National Starch Products Inc 270 Madison Av New York 16 N Y
B F Nelson Mfg Co Minneapolis 13 Minn
Ranetite Mfg Co Inc 1917 S Broadway St Louis Mo (212)

PLASTICS—molded products

American Molding Co 355 Fremont San Fran 5 Cal
American Phenolic Corp Cicero Ill
Amerline 1753 N Honore Chgo 22 Ill
Broadway Rubber Mfg Co 529 E Broadway Louisville 2 Ky (210)
General Electric Co Chemical Dept Pittsfield Mass
Modern Plastic Co Los Angeles 11 Calif
Presstite Engineering 3900 Chouteau Av St Louis 10 Mo
Reilly Tar & Chemical Corp Indianapolis 4 Ind
Republic Creosoting Co Indianapolis 4 Ind
Westinghouse Elec & Mfg Co 306 Fourth Av Pittsburgh 30 Pa

PLATES—mail box

American Device Mfg Co Red Bud Ill
Champion Hdwe Co Geneva O
P & F Corbin New Britain Conn (201)
Erco Mfg Co 4010 W Montrose Av Chgo Ill
Fiwale Equipment Mfg Co 165 Church NY 7 NY
Lockwood Hdwe Mfg Co Fitchburg Mass (163)
Natl Brass Co Grand Rapids Mich
Norwalk Lock Co 395 Broadway NY 13 NY
S Parker Hardware Mfg Co 27 Ludlow New York 2 N Y
Penn-Greg Mfg Co Minneapolis 3 Minn
Penn Hdwe Co Reading Pa
Reading Hdw Corp Reading Pa
Russell & Erwin Div The American Hardware Corp New Britain Conn (202)
Safe Padlock & Hdwe Co Lancaster Pa
Sager Lock Works Div of the Yale & Towne Mfg Co North Chgo Ill
Sargent & Co New Haven Conn
Southern Wire & Iron Wks 441 Memorial Dr S E Atlanta Ga
Turner Brass Wks Sycamore Ill
Yale & Towne Mfg Co Stamford Conn

PLATES—push & kick

Allmetal Weatherstrip Co 229 W Ohio Chgo Ill
Barrows Lock Wks Div of The Yale & Towne Mfg Co No Chgo Ill
Champion Hardware Co Geneva Ohio (push only)
Chase Brass & Copper Co Waterbury Conn
The Columbus Brass Mft Co 620 Dublin Av Columbus 16 Ohio
P & F Corbin New Britain Conn (201)
Erco Mfg Co 4010 W Montrose Av Chgo Ill
Fiwale Equipment Mfg Co 165 Church NY 7 NY
Frantz Mfg Co Sterling Ill (144)
H S Getty & Co Inc Philadelphia Pa
Griffin Mfg Co Erie Pa
Kawneer Mfg Co Niles Mich
Kentucky Metal Prods Co Inc Louisville Ky
Lawrence Bros Sterling Ill
Lockwood Hdwe Mfg Co Fitchburg Mass (163)
Macklanburg - Duncan Co Oklahoma City Okla
McKinney Mfg Co Pittsburgh Pa (197)
Micheals Art Bronze Co Covington Ky
Natl Brass Co Grand Rapids Mich
S Parker Hardware Mfg Co 27 Ludlow New York 2 N Y
Penn Hdwe Co Reading Pa
Pittsburgh Plate Glass Co 2000 Grant Bldg Pittsburgh 19 Pa (17)
Protex Weatherstrip Mfg Co 4500 S Western Chgo Ill
Russell & Erwin Div The American Hardware Corp New Britain Conn (202)
Safe Padlock & Hdwe Co Lancaster Pa
Sager Lock Wks of Yale & Towne Mfg Co No Chgo Ill
Samson Products Co 4238 N Leavitt Av Chgo 18 Ill
Sargent & Co New Haven Conn
Shelby Metal Prods Co Shelby O
Standard Mirror Co 141 Milton Buffalo 10 NY
Technical Glass Co Inc Los Angeles Calif
Yale & Towne Mfg Co Stamford Conn

Number in parenthesis indicates page on which advertisement appears

PLATFORMS—lift

American Mfg Co Inc 2119 Pacific Av Tacoma 2 Wash (234-236)
Elwell-Parker Elec Co Cleveland 14 O
Hyster Co Portland 8 Ore
Leitelt Iron Wks Erie Av Grand Rapids 2 Mich (232)
Lewis-Shepard Products Inc Watertown Station Boston 72 Mass
Rotary Lift Co 1051 Kentucky St Memphis 2 Tenn
Yale & Towne Mfg Co Philadelphia Pa

PLUMBING FIXTURES

Abingdon Potteries Inc Abingdon Ill
American Radiator & Standard Sanitary Corp 40 W 40 NY NY
Amerline 1753 N Honore Chgo 22 Ill
Barnes Mfg Co Mansfield Ohio
Briggs Mfg Co Detroit Mich
W A Case & Son Mfg Buffalo N Y
Crane Company 836 S Michigan Av Chgo Ill
Eljer Co Ford City Pa
General Ceramics Co Sanitary Ware Div Metuchen N J
Kohler Co Kohler Wis
Richmond Radiator Co 835 Fifth Av NY 17 NY
Universal Sanitary Mfg Co New Castle Pa

PLYWOOD—douglas fir

Aberdeen Plywood Corp Aberdeen Wash
Aetna Plywood & Veneer 1732 Elston Chgo Ill (214)
Am-Mex Sales Co Inc 28 Church Buffalo 2 N Y
Anacortes Veneer Inc Anacortes Wash
Associated Plywood Mills Olympia Wash
Bellingham Plywood Corp Bellingham Wash
Buffelen Lbr & Mfg Co Tacoma Wash
C-W Plywood Co 9 S Clinton Chgo Ill
Douglas Fir Plywood Assn Tacoma 2 Wash (211)
Elliott Bay Mill Co Seattle Wash
Eugene Plywood Co P O Box 672 Eugene Ore
Harbor Plywood Corp Hoquiam Wash
Heidner & Co Tacoma 1 Wash
Kochton Plywood & Veneer 527 W Roosevelt Rd Chicago Ill (206)
M & M Wood Working Co Resnprest Div 2301 N Columbia Portland 3 Ore
V W North Plywood & Lbr Co 628 Skinner Bldg Seattle 1 Wash
Northwest Door Co Tacoma Wash
Olympia Veneer Co Olympia Wash
Oregon Plywood Corp Sweet Home Ore
Oregon-Washington Plywood Co Tacoma 2 Wash
Pacific Mutual Door Co Plywood Division Tacoma Wash 225)
Pacific Plywood Corp Willamina Ore
Peninsula Plywood Corp Port Angeles Wash
Puget Sound Plywood Inc Tacoma Wash (219)
Robinson Mfg Everett Wash
Geo J. Silbernagel S S Michigan Av Chgo 11 Ill (176)
Simpson Industries Inc Seattle Wash
Springfield Plywood Co Springfield Ore
United States Plywood Corp 55 W 44th New York 18 N Y (49)
Vancouver Plywood & Veneer Co Vancouver Wash
Walton Plywood Co Everett Wash
Washington Veneer Co Olympia Wash
West Coast Plywood Co Aberdeen Wash (154)
Western Door & Plywood Corp Portland Ore
The Wheeler Osgood Co Tacoma 1 Wash

PLYWOOD—douglas fir exterior

Aberdeen Plywood Corp Aberdeen Wash
Aetna Plywood & Veneer 1732 Elston Av Chgo Ill (214)
Am-Mex Sales Co Inc 28 Church Buffalo 2 N Y
Associated Plywood Mills Olympia Wash
Bellingham Plywood Corp Bellingham Wash
Buffelen Lbr & Mfg Co Tacoma Wash
C-W Plywood Co 9 S Clinton Chgo Ill
Eugene Plywood Co P O Box 672 Eugene Ore
Harbor Plywood Corp Hoquiam Wash
Heidner & Co Tacoma 1 Wash
Kochton Plywood & Veneer 527 W Roosevelt Rd Chicago Ill (206)
M & M Wood Working Co Resnprest Div 2301 N Columbia Portland 3 Ore
V W North Plywood & Lumber Co 628 Skinner Bldg Seattle 1 Wash
Northwest Door Co Tacoma 1 Wash
Oregon Plywood Corp Sweet Home Ore
Pacific Mutual Door Co Plywood Div Tacoma 1 Wash (225)
Peninsula Plywood Corp Port Angeles Wash
Puget Sound Plywood Inc Tacoma Wash (219)
Robinson Mfg Co Everett Wash
Geo J Sibernagel S S Michigan Av Chgo 11 Ill (176)
Simpson Industries Inc Seattle Wash
Speedwall Co Seattle Wash
United States Plywood Corp 55 W 44th New York 18 N Y (49)
Washington Veneer Co Olympia Wash
West Coast Plywood Co Aberdeen Wash (154)
The Wheeler Osgood Co Tacoma 1 Wash

PLYWOOD—fabric covered

C-W Plywood Co 9 S Clinton Chgo Ill
M & M Wood Working Co Resnprest Div 2301 N Columbia Portland 3 Ore
United States Plywood Corp 55 W 44th New York 18 N Y (49)

PLYWOOD—hardwood

Aetna Plywood & Veneer 1732 Elston Av Chgo Ill (214)
American Plywood Corp New London Wis
Am-Mex Sales Co Inc 28 Church Buffalo 2 N Y
Anderson-Tully Co Memphis Tenn (217)
C-W Plywood Co 9 S Clinton Chgo Ill
W D Crooks & Sons Inc Williamsport Pa
Daystrom Corp Olean NY
Frost Veneer & Plywood Co Inc Sheboygan Wis
General Plywood Corp Louisville 12 Ky
Haskelite Mfg Co Grand Rapids Mich
Hoosier Panel Co New Albany Ind
Indiana Veneer & Panel Co New Albany Ind
Jamestown Veneer & Plywood Corp Jamestown N Y
Kochton Plywood & Veneer 527 W Roosevelt Rd Chicago Ill (206)
M & M Wood Working Co Resnprest Div 2301 N Columbia Portland 3 Ore
The Mengel Co Inc Louisville Ky (49)
V W North Plywood & Lumber Co 628 Skinner Bldg Seattle 1 Wash
Northern Hdw Veneers Inc Butternut Wis
Paine Lbr Co Ltd Oshkosh Wis (158)
Pearl City Plywood Co Inc Jamestown NY
Pluswood Inc Oshkosh Wis
Roddis Lumber & Veneer Co Marshfield Wis
United States Plywood Corp 55 W 44th New York 18 N Y (49)
Underwood Veneer Co Wausau Wis
Weber Veneer & Plywood Co Shawano Wis
The Wheeler Osgood Co Tacoma 1 Wash
Wisconsin Timber & Land Co Sheboygan Wis

PLYWOOD—inlaid

Aetna Plywood & Veneer 1732 Elston Av Chgo Ill (214)
Natl Plywoods Inc 2710 S Throop Chgo Ill
United States Plywood Corp 55 W 44th New York 18 N Y (49)
Vancouver Plywood & Veneer Co Vancouver Wash

PLYWOOD—marine

Algoma Plywood & Veneer Co Algoma Wis
American Plywood Corp New London Wis
Am-Mex Sales Co Inc 28 Church Buffalo 2 N Y
C-W Plywood Co 9 S Clinton Chgo Ill
Eugene Plywood Co P O Box 672 Eugene Ore
Haskelite Mfg Co Grand Rapids 2 Mich
M & M Wood Working Co Resnprest Div 2301 N Columbia Portland 3 Ore
The Mengel Co Inc Louisville Ky (49)
V W North Plywood & Lumber Co 628 Skinner Bldg Seattle 1 Wash
Northwest Door Co Tacoma 1 Wash
Pearl City Plywood Co Inc Jamestown NY
United States Plywood Corp 55 W 44th New York 18 N Y (49)
The Wheeler Osgood Co 1216 St Paul Tacoma 1 Wash

PLYWOOD—pine

Aetna Plywood & Veener 1732 Elston Av Chgo Ill (214)
C-W Plywood Co 9 S Clinton Chgo Ill
Harbor Plywood Corp Hoquiam Wash
Kochton Plywood & Veneer 527 W Roosevelt Rd Chicago Ill (206)
Long Bell Lumber Co Kansas City Mo
Natl Plywoods Inc 2710 S Throop Chgo Ill
Pacific Mutual Door Co Plywood Division Tacoma 1 Wash (225)
United States Plywood Corp 55 W 44th New York 18 N Y (49)

PLYWOOD—plastic faced

American Plywood Corp New London Wis
Balsa Ecuador Lumber Corp 500 Fifth Av New York 18 N Y
Buffelen Lbr & Mfg Co Tacoma Wash
C-W Plywood Co 9 S Clinton Chgo 6 Ill
Daystrom Corp Daystrom N C
Harbor Plywood Corp Hoquiam Wash
Haskelite Mfg Co Grand Rapids 2 Mich
The Mengel Co Inc Louisville Ky (49)
Pearl City Plywood Co Inc Jamestown NY
Simpson Industries Inc Seattle Wash
U S Plywood Corp 55 W 44th NY NY (49)
Washington Veneer Co Olympia Wash
The Wheeler Osgood Co Tacoma 1 Wash

PLYWOOD SEALER

United States Plywood Corp 55 W 44th N Y 18 N Y (191)

POINTS—glazier

Atlas Tack Corp Fairhaven Mass
Austin & Eddy Inc P O Box 1504 Boston 4 Mass
W W Cross & Co Inc East Jaffrey N H
Fletcher Terry Co Forestville Conn (160)
Holland Mfg Co Baltimore Md
Markwell Mfg Co Inc 200 Hudson N Y NY
W H Maze Co Peru Ill
National Sheet Metal Co Peru Ill
Red Devil Tools Irvington 11 NJ (139)
Shelton Tack Co 103 Canal Shelton Conn

POLISH—floor

American Floor Surfacing Machine Co Toledo O
Baltimore Paint & Color Works Inc Baltimore Md
Boston Varnish Co Boston Mass (33)
Boyle-Midway Inc Jersey City 2 N J (142)
E L Bruce Co Memphis Tenn
Chemical Supply Co 225 Plymouth Bldg Cleveland 15 Ohio
Chi-Namel Paint & Varnish Co Minneapolis Minn
E I DuPont de Nemours & Co Inc Wilmington 98 Del (177)
Glidden Co Cleveland O
R M Hollingshead Corp Camden N J
Industrial Chemical Laboratories Ltd Omaha 2 Neb
S C Johnson & Son Racine Wis
Minnesota Linseed Oil Paint Co Minneapolis Minn
Minwax Co Inc 11 W 42nd NY NY
O-Cedar Corp 2246 W 49 Chgo Ill
The Paraffine Companies Inc 475 Brannan St San Francisco 19 Cal
Peaslee-Gaulbert Corp Louisville Ky NY NY
The Pioneer Mfg Co Cleveland 4 Ohio
Puritan Chemical Co Atlanta 3 Ga
Sherwin-Williams Co Cleveland O (39)
Simoniz Company 2100 S Indiana Av Chgo Ill
Socony-Vacuum Oil Co 26 Broadway NYC NY
L Sonneborn Sons Inc 88 Lexington Av NY 16 NY
Standard Oil Co of Indiana 910 S Michigan Av Chgo Ill
Wadsworth Howland & Co 141 Federal Boston Mass

POLISH—furniture

Boston Varnish Co Boston Mass (33)
Boyer Chemical Laboratory Co 2706 Wabash Av Chgo Ill
Boyle-Midway Inc Jersey City 2 N J (142)
Chemical Supply Co 225 Plymouth Bldg Cleveland 15 Ohio
Chi-Namel Paint & Varnish Co Minneapolis Minn
E I du Pont de Nemours & Co Inc Wilmington Del (177)
The Foy Paint Co Inc Cincinnati 12 Ohio
Glidden Co Cleveland O
Grand Rapids Varnish Corp 565 Godfrey Av S W Grand Rapids 2 Mich
R M Hollingshead Co Camden N J
Industrial Chemical Laboratories Ltd Omaha 2 Neb
John Lucas & Co Philadelphia Pa
Marsh Wall Prod Inc Dover O (24)
Martin Senour Co 2520 Quarry Chgo Ill
Minnesota Linseed Oil Paint Co Minneapolis Minn
Minwax Co Inc 11 W 42nd NY NY

Number in parenthesis indicates page on which advertisement appears

O-Cedar Corp 2246 W 49th Chgo Ill
Patterson-Sargent Co Cleveland O
Pittsburgh Plate Glass Co Paint Div Pittsburgh Pa (43)
Puritan Chemical Co Atlanta 3 Ga
Rogers Paint Products Inc 8250 St Aubin Av Detroit 11 Mich
Rubon Woodfinishing & Prod Co Kansas City Mo
Sherwin -Williams Co Cleveland O (39)
Simoniz Company 2100 S Indiana Av Chgo Ill
Socony-Vacuum Oil Co Inc 26 Broadway NY NY
L Sonneborn Sons Inc 88 Lexington Av NY 16 NY
Standard Oil Co of Indiana 910 S Michigan Av Chgo Ill

POST HOLE DIGGERS

The Buda Co Harvey Ill
American Fork & Hoe Co Cleveland 15 Ohio
Ames Baldwin Wyoming Co Parkersburg W Va
Hubbard & Co Pittsburgh Pa
Iwan Bros Inc South Bend Ind
Woodings-Verona Tool Works Verona Pa
Leetonia Tool Co Leetonia Ohio
The Oliver Corp Industrial Div 19300 Euclid Av Cleveland 17 Ohio

POSTS — basement, adjustable beam & floor and supporting

Industrial & Home Products Inc Akron Ohio

POSTS—steel fence, farm

American Steel & Wire Co Cleveland 13 O (165)
Columbia Steel Co Russ Bldg San Fran 6 Cal (165)
Continental Steel Corp Kokomo Ind
Inland Steel Co 38 S Dearborn Chgo 3 Ill
Keystone Steel & Wire Co Peoria 7 Ill
Mid-States Steel & Wire Co Crawfordsville Ind
Northwestern Steel & Wire Co Sterling Ill
Republic Steel Corp Republic Bldg Cleveland 1 Ohio
Southern Wire & Iron Wks 441 Memorial Dr S E Atlanta Ga
Tennessee Coal Iron & R R Co Birmingham 2 Ala (165)
Wheeling Corrugating Co Wheeling W Va (42)

POSTS—wood

(See lumber classification beginning page 306)

POULTRY EQUIPMENT—metal

Brower Mfg Co Quincy Ill
Clay Equip Corp Cedar Falls Ia
Excelsior Stove & Mfg Co Quincy Ill
Farwell Ozmun Kirk & Co St Paul 1 Minn
Franklin Equip Co Monticello Ia
H T Hudson Mfg Co 589 E Illinois Chgo Ill
James Mfg Co Fort Atkinson Wis
Lyon Rural Electric Co San Diego 12 Cal
Oakes Mfg Co Inc Tipton Ind
Plume & Atwood Mfg Co Waterbury Conn

POULTRY HOUSES

Ivon R Ford Lumber Co McDonough N Y
James Mfg Co Fort Atkinson Wis
Rilco Laminated Prod Inc St Paul 1 Minn (154)
George J Silbernagel 8 S Michigan Av Chgo 3 Ill (176)
U S-Challenge Co Batavia Ill
Unit Structures Inc Peshtigo Wis

POWER UNITS

Allis-Chalmers Mfg Co Milwaukee Wis (152)
Chase Turbine Mfg Co Orange Mass
Corley Mfg Co Chattanooga 1 Tenn (174)
Hyster Co Portland 8 Ore
International Harvester Co 180 N Michigan Av Chgo 1 Ill
Kato Engineering Co Mankato Minn
The Ready-Power Co 3820 Grand River Av Detroit Mich

PREFABRICATED CHIMNEYS

Condensation Eng Corp 122 S Michigan Av Chgo 3 Ill
Houston Blow Pipe & Sheet Mtl Wks Houston Tex (20, 172)

PRESERVATIVE— awnings, tarpaulins, etc.

Canvas Products Co St Louis 4 Mo
Geo B Carpenter & Co 440 N Wells Chgo Ill
Chemical Supply Co 225 Plymouth Bldg Cleveland 15 Ohio
Cuprinol Inc 7 Water Boston 9 Mass
The Dow Chemical Co Midland Mich (147)
W P Fuller & Co 301 Mission San Fran 19 Cal
Glidden Co Cleveland Ohio
Grasselli Chemical Dept E I du Pont de Nemours & Co Inc Wilmington 98 Del (177)
H B Fred Kuhls 6413 Third Av Brooklyn N Y
Pennsylvania Salt Mfg Co Philadelphia 7 Pa
Protection Products Mfg Co Kalamazoo Mich
Ranetite Mfg Co Inc 1917 S Broadway St Louis Mo (212)
Robeson-Preservo Co Port Huron Mich
William W Stanley Co Inc 401 Broadway New York 13 N Y
The Sullivan Co P O Box 2606 Memphis 2 Tenn (234)
Wood Treating Chemicals Co St Louis Mo

PRESERVATIVE—rope

American Phenolic Corp Cicero Ill
Cuprinol Inc 7 Water Boston 9 Mass
Monsanto Chemical Co 1700 S Second St Louis 4 Mo (57)
Ranetite Mfg Co Inc 1917 S Broadway St Louis Mo (212)
Reilly Tar & Chemical Corp Indianapolis 4 Ind
Republic Creosoting Co Indianapolis 4 Ind

PRESERVATIVE—wood

Abesto Mfg Corp Michigan City Ind (233)
American Lumber & Treating Co 332 S Michigan Av Chgo Ill (142)
Barrett Div Allied Chem & Dye Corp 40 Rector NY NY (38)
Samuel Cabot Inc 141 Milk St Boston 9 Mass (180)
Carbolineum Wood Preserving Co 528 W Highland Milwaukee 3 Wis
A D Chapman & Co 333 S Michigan Av Chgo Ill (48)
Cre-O-Tox Chem Co Memphis Tenn (237)
Cuprinol Inc 7 Water Boston 9 Mass
The Dow Chemical Co Midland Mich (147)
E I DuPont de Nemours & Co Inc Wilmington 98 Del (177)
Inter-State Oil Co Kansas City 3 Kan
Kalamazoo Paraffine Co Kalamazoo 24 Mich
Koppers Company Inc Wood Preserving Div Pittsburgh 19 Pa
I F Laucks Inc 911 Western Av Seattle 4 Wash
Lignotite Co 882 Milwaukee Av Chgo 22 Ill
Lowe Bros Co Dayton O (30-31)
Monsanto Chemical Co St Louis Mo (57)
The Paraffine Companies Inc 475 Brannan St San Francisco 19 Cal
Ira Parker & Sons Co Oshkosh Wis (198)
Protection Products Mfg Co Kalamazoo Mich
Protexol Corp Kenilworth N J (228)
Reilly Tar & Chemical Corp Indianapolis 4 Ind
Republic Creosoting Co Indianapolis 4 Ind
The Ruberoid Co 500 Fifth Av New York 18 N Y
W J Smith Wood Preserving Co Denison Tex
L Sonneborn Sons Inc 88 Lexington Av NY 16 NY
Sullivan Co Memphis 2 Tenn (234)
Vaccinol Sales Co 2300 W 7th Little Rock Ark
The Wilbur & Williams Co Boston 16 Mass
C A Wood Preserver Co St Louis Mo
Wood Treating Chemicals Co St Louis Mo

PREVENTATIVES—sap stain

Abesto Mfg Corp Michigan City Ind (233)
Atlantic Varnish & Paint Co Inc P O Box 474 Richmond Va
A D Chapman & Co Inc 333 N Michigan Av Chgo Ill (48)
Dow Chemical Co Midland Mich (147)
E I DuPont de Nemours & Co Inc Wilmington 98 Del (177)
Monsanto Chemical Co St Louis Mo (57)
Reilly Tar & Chemical Corp Indianapolis 4 Ind
Solvay Sales Corp 40 Rector New York 6 N Y
The Wilbur & Williams Co Boston 16 Mass
Wood Treating Chemicals Co St Louis Mo

PREVENTATIVES—wood check

Abesto Mfg Corp Michigan City Ind (233)
The Akron Paint & Varnish Co Akron 1 Ohio (176)
E L Bruce Co Memphis Tenn
A D Chapman & Co Inc 333 N Michigan Av Chgo 1 Ill (48)
Cre-O-Tox Chem Co Memphis Tenn (237)
E I DuPont de Nemours & Co Inc Wilmington Del (177)
Lignotite Co 882 Milwaukee Av Chgo 22 Ill
Moore Dry Kiln Co P O Box 4248 Jacksonville 1 Fla (227)
Protection Products Mfg Co Kalamazoo Mich
Reilly Tar & Chemical Corp Indianapolis 4 Ind
Republic Creosoting Co Indianapolis 4 Ind
The Sullivan Co P O Box 2606 Memphis 2 Tenn (234)
The Wilbur & Williams Co Boston 16 Mass
Wood Treating Chemicals Co St Louis Mo

PRESSES—veneer, hydraulic

Black Bros Co Inc Mendota Ill
Dunning & Boschert Press Co Inc Syracuse N Y
A B Farquhar Co York Pa (plywood also)
Chas E Francis Co Huntington Ind
Handy Mfg Co 2432 W Lawrence Chgo Ill
Hydraulic Press Mfg Co Mount Gilead O
R D Wood Co Philadelphia 5 Pa

PRICE CARDS

W C Heller & Co 539 N Clark St Montpelier Ohio
Johnswood Co 5621 S Halsted Chgo 21 Ill
Meilicke Systems Inc 3458-60 N Clark Chgo 13 Ill
Reflector Hdwe Corp Western Av & 22nd Pl Chgo Ill
F M Zimmerman Aurora Ill

PRICE CARD MOULDING

Johnswood Co 5621 S Halsted Chgo 21 Ill
Mutual Fir Column Co Tacoma Wash
Reflector Hdwe Corp Western Av & 22nd Pl Chgo Ill

PULLERS—car

American Eng Co Philadelphia 25 Pa
American Hoist & Derrick Co 63 So Robert St Paul 1 Minn
American Mfg Co Inc 2119 Pacific Av Tacoma 2 Wash (234-236)
Clyde Iron Wks Inc Duluth Minn
Godfrey Conveyor Co Elkhart Ind
Harnischfeger Corp Milwaukee Wis
Hyster Co Portland 8 Ore
Jeffrey Mfg Co Columbus O
Leitelt Iron Works Grand Rapids 2 Mich (232)
Lidgerwood Mfg Co Elizabeth N J
Link-Belt Co 300 W Pershing Rd Chgo 9 Ill
Moore Dry Kiln Co P O Box 4248 Jacksonville 1 Fla (227)
Silent Hoist & Crane Co 860 63rd Brooklyn N Y (170)
Standard Dry Kiln Co P O Box 541 Indianapolis Ind
Stephens-Adamson Mfg Co Aurora Ill
Stimmel Winch Co 37-24 33rd Long Island City N Y

Number in parenthesis indicates page on which advertisement appears

PULLS—cabinet & drawer

American Brass Goods Co Grand Rapids Mich
American Cabinet Hdwe Corp Rockford Ill (11)
Barrows Lock Wks Div of The Yale & Towne Mfg Co No Chgo Ill
Champion Hdwe Co Geneva O
P & F Corbin New Britain Conn (201)
Erco Mfg Co 4010 W Montrose Av Chgo Ill
Fiwale Equipment Mfg Co 165 Church NY 7 NY
Frantz Mfg Co Steling Ill (144)
H S Getty & Co Inc Philadelphia Pa
Knape & Vogt Mfg Co Grand Rapids Mich
Lawrence Bros Sterling Ill
Lockwood Hdwe Mfg Co Fitchburg Mass (163)
McKinney Mfg Co Pittsburgh Pa (197)
National Lock Co Rockford Ill (15)
Modern Plastic Co Los Angeles 11 Calif
S Parker Hardware Mfg Co 27 Ludlow New York 2 N Y
Penn Hdwe Co Reading Pa
Phoenix Lock Co Newark 7 N J
Reading Hdwe Corp Reading Pa
Reflector Hdwe Corp Western Av & 22nd Pl Chgo Ill
Russell & Erwin Div The American Hardware Corp New Britain Conn (202)
Safe Padlock & Hdwe Co Lancaster Pa
Sager Lock Works Div of the Yale & Towne Mfg Co North Chgo Ill
Sargent & Co New Haven Conn
Sharon Hardware Mfg Co Sharon Pa
Shelby Metal Products Co Shelby O
Shelby Spring Hinge Co Shelby O
Slaymaker Lock Co Lancaster Pa
The Stanley Wks New Britain Conn (64)
Yale & Towne Mfg Co Stamford Conn

PULLS—door

American Cabinet Hdwe Corp Rockford Ill (11)
Barrows Lock Wks Div of The Yale & Towne Mfg Co No Chgo Ill
Bommer Spring Hinge Co 263 Classon Av Brooklyn 5 N Y
Champion Hdwe Co Geneva O
P & F Corbin New Britain Conn (201)
Erco Mfg Co 4010 W Montrose Av Chgo Ill
Fiwale Equipment Mfg Co 165 Church NY 7 NY
Frantz Mfg Co Sterling Ill (144)
H S Getty & Co Philadelphia Pa
Knape & Vogt Mfg Co Grand Rapids Mich
Lawrence Bros Sterling Ill
Lockwood Hdwe Mfg Co Fitchburg Mass (163)
McKinney Mfg Co Pittsburgh Pa (197)
National Brass Co Grand Rapids Mich
S Parker Hardware Mfg Co 27 Ludlow New York 2 N Y
Penn Hdwe Co Reading Pa
Phoenix Lock Co Newark 7 N J
Reading Hdwe Corp Reading Pa
Reflector Hdwe Corp Western Av & 22nd Pl Chgo Ill
Richards-Wilcox Mfg Co Aurora Ill
Russell & Erwin Div The American Hardware Corp New Britain Conn (202)
Safe Padlock & Hdwe Co Lancaster Pa
Sager Lock Wks of Yale & Towne Mfg Co No Chgo Ill
Sargent & Co New Haven Conn
Sharon Hdwe Co Sharon Pa
Shelby Spring Hinge Co Shelby O
Slaymaker Lock Co Lancaster Pa
The Stanley Wks New Britain Conn (64)
Yale & Towne Mfg Co Stamford Conn

PUMPS—hand

Aermotor Co 2500 W Roosevelt Rd Chgo Ill
Armstrong Products Corp Huntington 12 W Va
Baker Mfg Co Evansville Wis
Breyer Bros Whiting & Co Waupun Wis
Butler Co Butler Ind
Deming Co Salem O
Dempster Mill Mfg Co Beatrice Neb
Flint & Walling Mfg Co Inc Kendallville Ind
A Y McDonald Mfg Co P O Box 508 Dubuque Iowa
F E Myers & Bro Co Ashland O
Red Cross Mfg Co Bluffton Ind
Red Jacket Mfg Co Davenport Ia
U S-Challenge Co Batavia Ill

PUMPS—sump

American Well Wks Aurora Ill
Aurora Pump Co Aurora Ill
Chain Belt Co Milwaukee 4 Wis
Chicago Pump Co 2336 W Wolfram Chgo Ill
The Dayton Pump & Manufacturing Co Dayton Ohio
Deming Co Salem O
Dempster Mill Mfg Co Beatrice Neb
Economy Pumps Inc Hamilton O
The Everite Pump & Mfg Co Inc Lancaster Pa
Fairbanks Morse & Co 600 S Michigan Av Chgo Ill (29)
Flint & Walling Mfg Co Inc Kendallville Ind
Goulds Pumps Inc Seneca Falls N Y
Imperial Brass Mfg Co 1200 W Harrison Chgo Ill
Jaeger Machine Co Columbus Ohio
F E Myers & Bro Ashland O
M L Oberdorfer Brass Co Syracuse N Y
Penberthy Injector Co Detroit Mich
U S-Challenge Co Batavia Ill
Worthington Pump & Mchry Corp Harrison N J

PUMPS—vacuum

Allis-Chalmers Mfg Co Milwaukee Wis (152)
Chicago Pump Co 2336 W Wolfram Chgo Ill
Gardner Denver Co Quincy Ill
Ingersoll-Rand Co 11 Broadway New York 4 N Y
Jaeger Machine Co Columbus Ohio
Sullivan Machinery Co Michigan City Ind
Worthington Pump & Mchry Corp Harrison N J

PUMPS—water supply system

Allis-Chalmers Mfg Co Milwaukee 1 Wis (152)
Aurora Pump Co Aurora Ill
Baker Mfg Co Evansville Wis
Chicago Pump Co 2336 W Wolfram Chgo Ill
Crane Co 836 S Michigan Av Chgo Ill
The Dayton Pump & Manufacturing Co Dayton Ohio
Decatur Pump Co Decatur Ill
Delco Appliance Div Gen'l Motor Sales Rochester N Y
Deming Co Salem O
Dempster Mill Mfg Co Beatrice Neb
Erie Pump & Engine Works Medina N Y
The Everite Pump & Mfg Co Inc Lancaster Pa
Fairbanks Morse & Co 600 S Michigan Av Chgo Ill (29)
Flint & Walling Mfg Co Kendallville Ind
Gardner Denver Co Quincy Ill
Goulds Pumps Inc Seneca Falls N Y
Heil Co Milwaukee 1 Wis
A Y McDonald Mfg Co P O Box 508 Dubuque Iowa
F E Myers & Bro Co Ashland O
M L Oberdorfer Brass Co Syracuse N Y
Pioneer Gen-E-Motor Corporation 5841 W Dickens Chgo 39 Ill
Red Jacket Mfg Co Davenport Ia
Robbins & Myers Inc Springfield Ohio
U S-Challenge Co Batavia Ill
Worthington Pump & Mchry Corp Harrison N J

PUMPS—windmill

Aermotor Co 2500 Roosevelt Rd Chgo Ill
Baker Mfg Co Evansville Wis
Deming Co Salem O
Dempster Mill Mfg Co Beatrice Neb
Fairbanks Morse & Co 600 S Michigan Av Chgo 5 Ill (29)
Flint & Walling Mfg Co Inc Kendallville Ind
A Y McDonald Mfg Co P O Box 508 Dubuque Iowa
F E Myers & Bro Co Ashland O
Red Jacket Mfg Co Davenport Ia
U S-Challenge Co Batavia Ill

PUNCHES—center prick

American Swiss File & Tool Elizabeth N J
Baltimore Tool Works Baltimore 30 Md
Bridgeport Hdwe Mfg Corp Bridgeport Conn
Brown & Sharpe Mfg Co 235 Promenade St Providence 1 R I
Cincinnati Tool Co Cincinnati O
Crescent Tool Co Jamestown N Y
Damascus Steel Prod Corp Rockford Ill
Duro Metal Products Co 2649 N Kildare Av Chgo Ill
Fairmount Tool & Forging Co Cleveland 6 Ohio
Hubbard & Co 6301 Butler St Pittsburgh 1 Pa
William Johnson Inc Newark N J
Kraeuter & Co Inc Newark N J
Lufkin Rule Co Saginaw Mich
Mephisto Tool Co Inc Hudson NY
Millers Falls Co Greenfield Mass
Niagara Machine & Tool Wks Buffalo N Y
Peck Stow & Wilcox Co Southington Conn
Plomb Tool Co Los Angeles Cal
Rainey-Tools Grove City Pa
The Stanley Wks New Britain Conn (64)
L S Starrett Athol Mass
Trimble & Fink Mfg Co Inc Baltimore 1 Md
Vaughan & Bushnell Mfg Co 135 S La-Salle Chgo Ill
Vichek Tool Co Cleveland O

PURCHASING SERVICE

Biddle Purchasing Co 280 Broadway NY NY (148)

PUSHERS—snow

American Fork & Hoe Co Cleveland O
Ames Baldwin Wyoming Co Parkersburg W Va
Farwell Ozmun Kirk & Co St Paul 1 Minn
Iwan Bros Inc South Bend Ind
Owosso Mfg Co Owosso Mich
Rugg Mfg Co Greenfield Mass
Wirt & Knox Mfg Co Philadelphia 32 Pa
Yeoman-Hoag Co Monticello Ia

PUTTY

Acme White Lead & Color Wks 8250 St Aubin Av Detroit 11 Mich
Allen Putty Products Co 340 N Ashland Av Chgo Ill
Armstrong Co 4065 S La Salle Chgo 9 Ill (190)
Biddle Co St Louis 2 Mo (162)
Black Swan Mfg Co 2235 W Grand Av Chgo Ill
Blue Ridge Talc Co Inc Henry Va
Boyle-Midway Inc Jersey City 2 N J (142)
Briggs Maroney Co Inc Everett Mass
Chi-Namel Paint & Varnish Co Minneapolis Minn
Dicks-Pontius Co Dayton O
Farwell Ozmun Kirk & Co St Paul 1 Minn
Felton Sibley & Co Inc 136 N 4th Philadelphia 6 Pa
Fort Pitt Chem Co Pittsburgh 22 Pa
W P Fuller & Co 301 Mission San Fran 19 Cal
The Glidden Co 11001 Madison Av Cleveland 2 Ohio
Macklanburg - Duncan Oklahoma City Okla
Ira Parker & Sons Co Oshkosh Wis (198)
Pecora Paint Co Philadelphia Pa
Pittsburgh Plate Glass Co 2000 Grant Bldg Pittsburgh 19 Pa (43)
Plastic Prod Co 6475 Georgia Av Detroit 11 Mich
Steelcote Mfg Co 3418 Gratiot St Louis 3 Mo (156)
The Sullivan Co P O Box 2606 Memphis 2 Tenn (234)
Tamms-Silica Co 228 N La Salle Chgo 1 Ill
Geo D Wetherill & Co Philadelphia Pa

PUTTY—metal sash

Adams Co Dubuque Ia
Allen Putty Prods Co 340 N Ashland Av Chgo Ill
Armstrong Co 4065 S La Salle Chgo 9 Ill (190)
Biddle Co St Louis 2 Mo (162)
Black Swan Mfg Co 2235 W Grand Av Chgo Ill
Blue Ridge Talc Co Inc Henry Va
Briggs Maroney Co Inc Everett 49 Mass
Chi-Namel Paint & Varnish Co Minneapolis Minn
Detroit Steel Products Co Detroit 11 Mich
Dicks-Pontius Co Dayton O
Felton Sibley & Co Inc 136 N 4th Philadelphia 6 Pa
Fort Pitt Chem Co Pittsburgh 22 Pa
W P Fuller & Co 301 Mission San Fran 19 Cal
The Glidden Co 11001 Madison Av Cleveland 2 Ohio
Minnesota Linseed Oil Paint Co Minneapolis Minn

Number in parenthesis indicates page on which advertisement appears

Ira Parker & Sons Co Oshkosh Wis (198)
Pecora Paint Co Philadelphia Pa
Pittsburgh Plate Glass Co 2000 Grant Bldg Pittsburgh 19 Pa (43)
Plastic Prod Co 6475 Georgia Av Detroit 11 Mich
Steelcote Mfg Co 3418 Gratiot St Louis 3 Mo (156)

PUTTY—primeless

Allen Putty Products Co 340 N Ashland Av Chgo Ill
Armstrong Co 4065 S La Salle Chgo 9 Ill (190)
Baltimore Paint & Color Works Baltimore 23 Md
Biddle Co St Louis 2 Mo (162)
Black Swan Mfg Co 2235 W Grand Av Chgo Ill
Blue Ridge Talc Co Inc Henry Va
Briggs Maroney Co Inc Everett 49 Mass
Chi-Namel Paint & Varnish Co Minneapolis Minn
W P Fuller & Co 301 Mission San Fran 19 Cal
Mar-Kay Mfg Co 2715 S Second St St Louis Mo
Minnesota Linseed Oil Paint Co 1101 Third So Minneapolis 15 Minn
Ira Parker & Sons Co Oshkosh Wis (198)
Pecora Paint Co American & Venango Philadelphia 40 Pa
Plastic Prod Co 6475 Georgia Av Detroit 11 Mich
Steelcote Mfg Co 3418 Gratiot St Louis 3 Mo (156)

PUTTY—rubber

Baltimore Paint & Color Works Baltimore 23 Md
The B F Goodrich Co Akron Ohio
So-Lo Wks Inc Loveland O
Steelcote Mfg Co 3418 Gratiot St Louis 3 Mo (156)

PUTTY—water

Black Swan Mfg Co 2235 W Grand Av Chgo Ill
Carbola Chemical Co Inc Natural Bridge N Y
Donald Durham Co Des Moines 4 Ia (237)
Reardon Co St Louis 6 Mo (46)
The Savogran Co India Wharf Boston 10 Mass
Tamms Silica Co 228 N LaSalle Chgo 1 Ill

PUTTY—wood

The Biddle Co 612 S Main St Louis 2 Mo (162)
Black Swan Mfg Co 2235 W Grand Av Chgo Ill
Blue Ridge Talc Co Inc Henry Va
Briggs Maroney Co Inc Everett 49 Mass
Carbola Chemical Co Inc Natural Bridge N Y
Chi-Namel Paint & Varnish Co Minneapolis Minn
Fort Pitt Chem Co Pittsburgh 22 Pa
W P Fuller & Co 301 Mission San Fran 19 Cal
The Glidden Co 11001 Madison Av Cleveland 2 Ohio
Great Lakes Varnish Wks Inc 2215 N Pulaski Chgo Ill
The Las-Stik Mfg Co B & Wayne sts Hamilton Ohio
Mar-Kay Mfg Co 2715 S Second St St Louis Mo
Minnesota Linseed Oil Paint Co Minneapolis 15 Minn
Pecora Paint Co American & Venango Philadelphia 40 Pa
Savogran Co Boston 10 Mass (28)
Schalk Chem Co Los Angeles 12 Cal
Steelcote Mfg Co 3418 Gratiot St Louis 3 Mo (156)
The Sullivan Co P O Box 2606 Memphis 2 Tenn (234)
The Wellman Products Co 1444 E 49th Cleveland 3 Ohio

QUICKLIME—pulverized

Gibsonburg Lime Prod Co Gibsonburg Ohio
Kelley Island Lime & Transport Co Cleveland 14 Ohio
Louisville Cement Co Inc 315 Guthrie Louisville 2 Ky
Marblehead Lime Co 160 N La Salle Chgo 1 Ill
Mission Lime Products Corp Los Angeles 12 Calif
Natl Gypsum Co Buffalo N Y (40-41)
Riverton Lime & Stone Co Inc Riverton Va
U S Gypsum Co 300 W Adams Chgo 6 Ill

RACKS—clothes

Acme Metal Goods Mfg Co Newark N J
Chicago Curtain Stretcher Co 1127 W 37th Chgo 9 Ill
Chicago Dryer Co 2210 N Pulaski Chgo Ill.
J R Clark Co Minneapolis 5 Minn
Gem Mfg Co North Girard Pa
Handy Things Mfg Co Ludington Mich
Knape & Vogt Mfg Co Grand Rapids 4 Mich
Michigan Ladder Co Ypsilanti Mich
Moulton Ladder Mfg Co Somerville Mass
Reflector Hdwe Corp Western Av & 22nd Pl Chgo Ill
Rotary Clothes Dryer Co Allentown Pa
Southern Wire & Iron Wks 441 Memorial Dr S E Atlanta Ga
Universal Steel Equipment Corp 135 W 23rd NY NY
Zoss Ladder & Mfg Co Portland 1 Ore (58)

RACKS—fire hose

W D Allen Mfg Co 566 W Lake Chgo Ill
American-La France-Foamite Corp Elmira N Y
Beall Pipe & Tank Corp Portland Ore
Elkhart Brass Mfg Co Elkhart Ind
Michel & Pfeffer Iron Wks Inc 1415 Harrison San Fran 3 Cal
Wirt & Knox Mfg Co Philadelphia 32 Pa

RAFTERS—glued laminated

Rilco Laminated Prod Inc St Paul 1 Minn (154)
Superstructures Inc Albert Lea Minn
Tacoma Lumber Fabricating Co Tacoma 1 Wash
Timber Structures Inc Portland 8 Ore
Unit Structures Inc Peshtigo Wis

RAILINGS—ornamental

The Adams Co Dubuque Iowa (steel)
Fence Co of America 608 S Dearborn Chgo 6 Ill (iron) (25)

RANGES—electric

A-B Stoves Div Detroit-Michigan Stove Co Battle Creek Mich
Admiral Corp 3800 W Cortland Chgo 47 Ill
Cavalier Corp Chattanoga Tenn
Crosley Corp Cincinnati O
Crown Stove Wks 4631 W 12th Pl Cicero Ill
Edison Gen'l Elec Appliance Co Inc 5600 W Taylor Chgo 44 Ill
Electromaster Inc Detroit Mich
Estate Stove Co Hamilton O
Excelsior Stove & Mfg Co Quincy Ill
Florence Stove Co Gardner Mass
Frigidaire Div General Motors Corp Dayton 1 Ohio
General Electric Co Bridgeport Conn
Landers Frary & Clark New Britain Conn
Malleable Iron Range Co Beaver Dam Wis
Nash-Kelvinator Corp Detroit Mich
Norge Div Borg Warner Corp Detroit Mich
Round Oak Co Dowagiac Mich
Westinghouse Elec & Mfg Co 306 Fourth Av Pittsburgh 30 Pa

RANGES—gas

A-B Stoves Div Detroit-Michigan Stove Co Battle Creek Mich
The Estate Stove Co Hamilton Ohio
Excelsior Stove & Mfg Co Quincy Ill
Florence Stove Co Gardner Mass
Gray & Dudley Co Nashville Tenn
Malleable Iron Range Co Beaver Dam Wis
Geo D Roper Corp Rockford Ill

REFRACTORIES—plastic

Acme Brick Co Fort Worth 2 Texas
The Babcock & Wilcox Co 85 Liberty St New York 6 NY
Carborundum Co Niagara Falls NY
Chicago Fire Brick Co 1461 N Elston Chgo Ill
M E Curtis Mfg Co 29 Lewis Wharf Boston 10 Mass
Denver Fire Clay Co Denver Colo
General Refractories Co Philadelphia Pa
Harbison Walker Refractories Co Farmers Bank Bldg Pittsburgh Pa
Johns-Manville Corp 22 E 40th NY 16 NY (62-63)
Laclede-Christy Clay Prods Co St Louis Mo
Mexico Refractories Co Mexico Mo
North American Refractories Co Cleveland 14 O
Plibrico Jointless Firebrick Co 1800 N Kingsbury Chgo 14 Ill
Universal Zonolite Insulation Co 135 So La Salle Chgo Ill (155)
Walsh Refractories Corp St Louis 7 Mo

REFRIGERATORS—electric

Admiral Corp 3800 W Cortland Chgo 47 Ill
Chrysler Corp Airtemp Div Dayton 1 Ohio (commercial)
Copeland Refrigeration Corp Sidney Ohio
Crosley Corp Cincinnati O
Edison Gen'l Elec Appliance Co Inc 5600 W Taylor Chgo 44 Ill
Frigidaire Div General Motors Corp Dayton 1 Ohio
General Electric Co Bridgeport Conn
General Refrigerator Corp 678 Broadway New York 12 N Y
Gibson Electric Refrigerator Corp Greenville Mich
Jewett Refrigerator Co Buffalo N Y
McQuay Inc Minneapolis 13 Minn (commercial)
Nash-Kelvinator Corp Detroit Mich
Norge Div Borg Warner Corp Detroit Mich
Potter Refrigerator Corp Buffalo N Y
Seeger-Sunbeam Corp St Paul 6 Minn
Stewart-Warner Corp 1828 Diversey Pkwy Chgo Ill
Universal Cooler Div of International Detrola Corp Marion Ohio
Westinghouse Elec & Mfg Co 306 Fourth Av Pittsburgh 30 Pa

REFRIGERATORS—gas

Servel Inc Evansville Ind

REGISTERS—heating & ventilating

American Foundry & Furnace Co Bloomington Ill
Auer Register Co Cleveland O
Bennett-Ireland Norwich NY (196)
Excelsior Stove & Mfg Co Quincy Ill
Forest City Foundries Co Cleveland O
Hart & Cooley Mfg Co Holland Mich
Liberty Foundry Co St Louis Mo
J Mueller Furnace Co Milwaukee Wis
Newman Bros Inc 660 W 4th Cincinnati 3 Ohio
Pacific Gas Radiator Co Huntington Park Cal
S Parker Hardware Mfg Co 27 Ludlow New York 2 N Y
Philadelphia Hdwe & Malleable Iron Wks Philadelphia Pa
U S Register Co Battle Creek Mich
Williamson Heater Co Cincinnati O

RESIN—synthetic

American Phenolic Corp 1830 S 54th Cicero Ill
Casein Co of America 350 Madison Av New York 17 N Y
Catalin Corp 1 Park Av NY 16 NY
E I DuPont de Nemours & Co Inc Wilmington Del (177)
Durite Plastics Inc 5000 Summerdale Av Philadelphia 24 Pa
Industrial Chemical Sales Div West Virginia Pulp & Paper Co New York Central Bldg NY NY
Marblette Corp 37-21 30th Long Island City N Y
John W Masury & Son Sharp & Ostend Baltimore Md
Monite Waterproof Glue Co Minneapolis 11 Minn
Monsanto Chemical Co St Louis Mo (57)
Moore Dry Kiln Co P O Box 4248 Jacksonville 1 Fla (227)
National Adhesives Div of National Starch Products Inc 270 Madison Av New York 16 N Y
The Neville Co Neville Island Pittsburgh 25 Pa
Perkins Glue Co Lansdale Pa
Pittsburgh Plate Glass Co 2000 Grant Bldg Pittsburgh 19 Pa (43)
Reilly Tar & Chem Corp Indianapolis Ind
The Resinous Products & Chemical Co Philadelphia 5 Pa
Resinox Corp 30 Rockefeller Plz NY NY

Number in parenthesis indicates page on which advertisement appears

RETURN SYSTEM—boiler feed water

Moore Dry Kiln Co P O Box 4248 Jacksonville 1 Fla (227)
Richmond Engineering Co Inc Richmond Va
Trane Co La Crosse Wis

RIDGE ROLL

American Steel & Wire Co Cleveland O (165)
Barrett Div Allied Chemical & Dye Corp 40 Rector NY NY (38)
Bethlehem Steel Co Bethlehem Pa
Ceco Steel Products Corp 5701 W 26th Chgo 50 Ill
Continental Steel Corp Kokomo Ind
The Edwards Mfg Co 427-477 Culvert Cincinnati Ohio (160)
Flintkote Co 30 Rockefeller Plaza NY NY (10)
Ford Roofing Products Co 111 W Washington Chgo Ill
Globe Iron Roofing & Corrugating Co Inc Newport Ky
Johns-Manville Corp 22 E 40th NY 16 NY (62-63)
Klauer Mfg Co Dubuque Ia
La Crosse Steel Roofing & Corrugating Co La Crosse Wis
Lehon Co 4425 S Oakley Chgo Ill
Mid-States Steel & Wire Co Crawfordsville Ind
Milcor Steel Co 4101 W Burnham Milwaukee 4 Wis (161)
Newport Rolling Mill Co Newport Ky
Northwest Metal Prod Inc Seattle 4 Wash
Reeves Steel & Mfg Co Dover O
Republic Steel Corp Republic Bldg Cleveland 1 Ohio
The Ruberoid Co 500 Fifth Av NY 18 NY
St Paul Corrugating Co St Paul Minn
Tennessee Coal Iron & R R Co Birmingham Ala (165)
Wheeling Corrugating Co Wheeling W Va (42)
Williams-Wallace Co San Francisco 7 Cal

RODS—threaded

Bethlehem Steel Co Bethlehem Pa
Carpenter & Paterson Inc 1190 Bennington East Boston 28 Mass
Cleveland Steel Specialty Co Cleveland 5 Ohio
Hubbard & Co 6301 Butler St Pittsburgh 1 Pa
Kelly Steel Works Inc 5767 W 65th Chgo 38 Ill
Lewis Bolt & Nut Co Minneapolis 14 Minn
Michel & Pfeffer Iron Wks Inc 1415 Harrison San Fran 3 Cal
National Screw & Mfg Co Cleveland 4 Ohio
Pheoll Mfg Co 5700 W Roosevelt Rd Chgo 50 Ill
Republic Steel Corp Cleveland O
Rockford Bolt & Steel Co 126 Mill Rockford Ill
St Louis Screw & Bolt Co St Louis Mo
Sheffield Steel Corp Kansas City Mo
Upson-Walton Co Cleveland O

ROOF COATING—asphalt

Abesto Mfg Corp Michigan City Ind (233)
Acme Asbestos Covering & Flooring Co 244 N Elizabeth Chgo 7 Ill
American Asphalt Roof Corp Kansas City Mo
American Marietta Co 43 E Ohio Chgo 11 Ill
Barrett Div Allied Chem & Dye Corp 40 Rector St NY NY (38)
Bird & Son Walpole Mass
Black Cat Corp Hattiesburg Miss
Black Swan Mfg Co 2235 W Grand Av Chgo Ill
Calbar Paint & Varnish Co 2612 N Martha Phil 25 Pa
Philip Carey Mfg Co Cincinnati 15 O
Ceco Steel Products Corp 5701 W 26th Chgo 50 Ill
Celotex Corp 120 S LaSalle Chgo Ill (136)
Certain-teed Prod Corp 120 S LaSalle Chgo Ill (60)
The Dad & Lad Co New Lenox Ill (236)
Flintkote Co 30 Rockefeller Plaza NY NY (10)
Ford Roofing Products Co 111 W Washington Chgo 2 Ill
Glidden Co Cleveland Ohio
Globe Roofing Prod Co Inc Whiting Ind
Inter-State Oil Co Kansas City 3 Kan
Johns-Manville Corp 22 E 40th NY 16 NY (62-63)
Lehon Co 4425 S Oakley Chgo Ill
The Martin-Senour Co 2520 S Quarry Chgo 8 Ill
B F Nelson Mfg Co Minneapolis Minn
The Paraffine Companies Inc 475 Brannan St San Francisco 19 Cal
Pecora Paint Co Philadelphia 40 Pa
Pittsburgh Plate Glass Co 2000 Grant Bldg Pittsburgh 19 Pa (43)
Ranetite Mfg Co Inc 1917 S Broadway St Louis Mo (212)
Republic Creosoting Co Indianapolis 4 Ind
The Ruberoid Co 500 Fifth Av NY 18 NY
Rutland Fire Clay Co Rutland Vt
Sealcon Prod Inc 927 Second Av S Minneapolis 2 Minn
L Sonneborn Sons Inc 88 Lexington Av NY 16 NY
Steelcote Mfg Co 3418 Gratiot St Louis 3 Mo (156)
Stonhard Company 401 N Broad Philadelphia 8 Pa
The Sullivan Co P O Box 2606 Memphis 2 Tenn (234)
The Texas Co 135 E 42nd NY NY (159)
United States Gypsum Co 300 W Adams Chgo Ill
W F Webster Cement Co Cambridge 41 Mass

ROOFING—aluminum sheet

Aluminum Co of America Pittsburgh 19 Pa (67)

ROOFING—asbestos

The Philip Carey Mfg Co Lockland Cincinnati 15 Ohio
The Dad & Lad Co New Lenox Ill (236)
Ehret Magnesia Mfg Co Valley Forge Pa
Johns-Manville Sales Corp 22 E 44th New York 16 N Y (62-63)
Keasbey & Mattison Co Ambler Pa
The Ruberoid Co 500 Fifth Av New York 18 N Y

ROOFING—asphalt roll

American Asphalt Roof Corp Kansas City Mo
Barrett Div Allied Chem & Dye Corp 40 Rector NY NY (38)
Bird & Son Inc East Walpole Mass
Philip Carey Mfg Co Cincinnati 15 O
Ceco Steel Products Corp 5701 W 26th Chgo 50 Ill
Celotex Corp 120 S LaSalle Chgo Ill (136)
Certain-teed Prod Corp 120 S LaSalle Chgo Ill (60)
The Dad & Lad Co New Lenox Ill (236)
Flintkote Co 30 Rockefeller Plaza NY NY (10)
Ford Roofing Products Co 111 W Washington Chgo 2 Ill
Globe Roofing Prod Co Inc Whiting Ind
Johns-Manville Corp 22 E 40th NY 16 NY (62-63)
Jones & Brown Inc Pittsburgh Pa
Lehon Co 4425 S Oakley Chgo Ill
Koppers Co Inc Pittsburgh 19 Pa
Nat'l Mfg Corp Tonawanda N Y
B F Nelson Mfg Co Minneapolis 13 Minn
The Paraffine Companies Inc 475 Brannan St San Francisco 19 Cal
Ruberoid Co 500 Fifth Av NY NY
The Texas Co 135 E 42nd NY NY (159)
United States Gypsum Co 300 W Adams Chgo Ill

ROOFING—steel

American Steel & Wire Co Cleveland O (165)
Bethlehem Steel Corp Bethlehem Pa
Carnegie Illinois Steel Corp Pittsburgh Pa
Ceco Steel Products Corp 5701 W 26th Chgo 50 Ill
Cheney Metal Products Company Trenton 5 NJ
Columbia Steel Co Russ Bldg San Fran 6 Cal (165)
Continental Steel Corp Kokomo Ind
Detroit Steel Prod Detroit Mich
The Edwards Mfg Co 427-477 Culvert Cincinnati Ohio (160)
Inland Steel Co 38 S Dearborn Chgo 3 Ill
James Mfg Co Ft Atkinson Wis
Klauer Mfg Co Dubuque Iowa
Mid-States Steel & Wire Co Crawfordsville Ind
Milcor Steel Co 4101 W Burnham Milwaukee 4 Wis (161)
Reeves Steel & Mfg Co Dover Ohio
Republic Steel Corp Republic Bldg Cleveland 1 Ohio
St Paul Corrugating Co St Paul Minn
Tennessee Coal Iron & R R Co Birmingham 2 Ala (165)
Truscon Steel Co Youngstown O
U S Gypsum Co 300 W Adams Chgo 6 Ill
Wheeling Corrugating Co Wheeling W Va (42)

ROPE—awning

Geo B Carpenter & Co 440 N Wells Chgo Ill
Edwin H Fitler Co Philadelphia Pa
John H Graham & Co Inc 105 Duane NY 8 NY
Hoffman Lion Mills Co Inc Fall River Mass
Plymouth Cordage Co North Plymouth Mass
Puritan Cordage Mills Louisville Ky (205)
St Louis Cordage Mills St Louis Mo
Samson Cordage Works 89 Broad Boston 10 Mass (214)
Silver Lake Co 99 Chauncy St Boston Mass (229)
The Turner & Stanton Co Norwich Conn

ROPE—manila & sisal

Cating Rope Wks Ind Maspeth N Y
Geo B Carpenter & Co 440 N Wells Chgo Ill
Columbian Rope Co Auburn N Y
Edwin H Fitler Co Philadelphia Pa
Hoffman Lion Mills Co Inc Fall River Mass
Hooven & Allison Co Xenia O
Thos Jackson & Son Co Reading Pa
R A Kelly Co Xenia O
New Bedford Cordage Co 233 Broadway NY NY
Plymouth Cordage Co North Plymouth Mass
St Louis Cordage Mills St Louis Mo
Tubbs Cordage Co San Francisco Cal
Upson-Walton Co Cleveland O
Wall Rope Wks Inc 48 South NY NY
Waterbury Rope Co 401 Park Av Brooklyn N Y
Whitlock Cordage Co 46 South NY NY

ROPE—wire

American Cable Div American Chain & Cable Co Inc Wilkes-Barre Pa
American Steel & Wire Co Cleveland O (165)
Broderick & Bascom Rope Co St Louis Mo
Columbia Steel Co Russ Bldg San Fran 6 Cal (165)
Hazard Wire Rope Div American Chain & Cable Co Inc Wilkes-Barre Pa
Macwhyte Co Kenosha Wis
John A. Roebling's Sons Co Trenton N J
Upson-Walton Co Cleveland O
Wickwire Spencer Steel A Div of The Colorado Fuel & Iron Corp 500 Fifth Av New York 18 N Y (66)
Wire Rope Mfg & Eqpt Co Seattle Wash

RULES—board and log

Lufkin Rule Co Saginaw Mich

RULES—folding

Eugene Dietzgen Co 22 W Monroe Chgo Ill
Eagle Rule Mfg Corp 514 Hunts Point Av NY NY
Glaziers Tool Mfg Corp 611 W Adams Chgo Ill
Keuffel & Esser Co Hoboken N J
Lufkin Rule Co Saginaw Mich
Master Rule Mfg Co Inc 815 E 136th NY NY
The Stanley Wks New Britain Conn (64)
L S Starrett Co Athol Mass
Warren-Knight Co Philadelphia Pa

RULES—lumber

Frank R Buck & Co 2133 W Touhy Av Chgo 45 Ill (216)
Lufkin Rule Co Saginaw Mich

RULES—slide

Eugene Dietzgen Co 2425 N Sheffield Chgo Ill
Keuffel & Esser Co Hoboken N J
Pickett & Eckel 53 W Jackson Blvd Chgo 4 Ill
L S Starrett Co Athol Mass
Warren-Knight Co Philadelphia 7 Pa

Number in parenthesis indicates page on which advertisement appears

RULES—steel

Brown & Sharpe Mfg Co 235 Promenade St Providence 1 R I
Keuffel & Esser Co Hoboken N J
Lufkin Rule Co Saginaw Mich
Master Rule Mfg Co 815 E 136th NY NY
Millers Falls-Goodell Pratt Co Greenfield Mass
The Stanley Wks New Britain Conn (64)
L S Starrett Co Athol Mass
Union Tool Co Orange Mass

RUST PREVENTING & REMOVING COMPOUNDS

American Chemical Paint Co Ambler Pa
Babbitt Steam Specialty Co New Bedford Mass
Carbozite Corp Pittsburgh Pa
E I DuPont de Nemours & Co Inc Wilmington 98 Del (177)
R M Hollingshead Corp Camden N J
Inter-State Oil Co Kansas City 3 Kan
Neilson Chemical Co Detroit Mich
Non-Corrosive Products Co Huntington Park Cal
Nox-Rust Chemical Corp 2425 S Halsted Chgo 8 Ill
Oakite Products Inc 22 Thames New York 6 N Y
Pennsylvania Salt Mfg Co Philadelphia 7 Pa
Rusticide Products Co Cleveland 14 Ohio
The Simoniz Co Industrial Div 2100 S Indiana Av Chgo Ill
Smith Oil & Refining Co Rockford Ill
W L Spencer Co Milwaukee Wis
Stop-Rust Co Chattanooga Tenn
The Sullivan Co Memphis 2 Tenn (234)
Wayne Chemical Products Co Detroit 17 Mich

SAND BLAST EQUIPMENT

American Foundry Equipment Co Mishawaka Ind
MacLeod Co Cincinnati O
Raybestos-Manhattan Inc Manhattan Rubber Div Passaic N J

SANDER HEADS—brush backed

Arcade Mfg Co Freeport Ill
Millers Falls Co Greenfield Mass
Vonnegut Moulder Corp Indianapolis 2 Ind

SANDERS—belt, drum, spindle & disc

Beach Mfg Co Montrose Pa
Black & Decker Mfg Co Towson Md
Boice Crane Co Toledo 6 O
James Clark Jr Electric Co Inc Louisville 3 Ky (disc only)
Crescent Machine Co Leetonia Ohio (spindle & disc only)
Delta Mfg Co Milwaukee 1 Wis (belt & disc)
Ekstrom, Carlson & Coe Rockford Ill
J A Fay & Egan Co 1110 Alfred Cincinnati 22 Ohio
Mall Tool Co 7733 South Chicago Av Chgo 19 Ill (51)
Milwaukee Electric Tool Corp Milwaukee 2 Wis
Newman Bros Inc 660 W 4th Cincinnati 3 Ohio
Oliver Machinery Co Grand Rapids 2 Mich
Porter Cable Mach Co Syracuse 8 NY
Red Devil Tools Irvington 11 N J (139)
Reid-Way Co Cedar Rapids Iowa
Skilsaw Inc 5033 Elston Av Chgo 30 Ill (232)
Stanley Electric Tools 111 Elm New Britain Conn (64)
United States Elec Tool Co Cincinnati O
Walker Turner Co Inc Plainfield N J

SANDERS—floor

American Floor Surfacing Mach Co Toledo O
Atlas Floor Surfacing Mach Corp 248 E 34th NY 16 NY
Black & Decker Mfg Co Towson Md
Clarke Sanding Mach Co Muskegon 82 Mich
Hild Floor Mach Co 1313 W Randolph Chgo Ill
Hilger Co St Cloud Minn
Holt Mfg Co Oakland Cal
Lincoln-Schlueter Floor Mchy Co 512 S Peoria Chgo Ill
Mall Tool Co 7733 S South Chicago Av Chgo Ill (51)
The Master Woodworker Mfg Co Inc Detroit 26 Mich
Porter Cable Mach Co Syracuse N Y
Red Devil Tools Irvington 11 NJ (139)
Reid-Way Co Cedar Rapids Iowa
Skilsaw Inc 5033 Elston Av Chgo 30 Ill (232)
The Stanley Wks New Britain Conn (64)

SANDING MACHINE DISCS

Abrasive Products Inc South Braintree Mass
Carborundum Co Niagara Falls N Y
Clover Mfg Co Norwalk Conn
Mid-West Abrasive Co Detroit Mich
Milwaukee Electric Tool Corp Milwaukee 2 Wis
Minnesota Mining & Mfg Co St Paul 6 Minn
Oliver Machinery Co Grand Rapids 2 Mich
Porter Cable Mach Co Syracuse 8 NY
Red Devil Tools Irvington 11 NJ (139)
Sandpaper Inc Waltham Mass
Skilsaw Inc 5033 N Elston Av Chgo 30 Ill (232)

SANDPAPER

Abrasive Prod Inc South Braintree Mass
Armour Sandpaper Wks 355 W 31 Chgo Ill
Behr-Manning Corp Troy N Y
Carborundum Co Niagara Falls N Y
Clover Mfg Co Norwalk Conn
Mid-West Abrasive Co Detroit Mich
Minnesota Mining & Mfg Co St Paul Minn
Porter Cable Mach Co Syracuse 8 NY
Red Devil Tools Irvington 11 NJ (139)
Sandpaper Inc Waltham Mass

SASH BALANCES—adjustable

Austin & Eddy Inc P O Box 1504 Boston 4 Mass
Caldwell Mfg Co Rochester 4 N Y (210)
Duplex Inc 634 N LaPeer Dr Los Angeles 46 Cal (184)
Protex Weatherstrip Mfg Co 4500 S Western Chgo Ill
Pullman Mfg Corp Rochester 7 N Y
Western Foundry Co 2400 S W Water Av Portland 1 Ore

SASH BALANCES—spiral

Austin & Eddy Inc P O Box 1504 Boston 4 Mass
Caldwell Mfg Co Rochester 4 N Y (210)
Milwaukee Stamping Co Milwaukee 14 Wis (140)
Unique Balance Co Inc 25 Eastern Blvd NY NY
Western Foundry Co 2400 S W Water Av Portland 1 Ore

SASH BALANCES—spring

Acme Spring Sash Balance Co Los Angeles Cal
Austin & Eddy Inc P O Box 1504 Boston 4 Mass
Caldwell Mfg Co Rochester 4 NY (210)
Duplex Inc 634 N LaPeer Dr Los Angeles 46 Cal (184)
Grand Rapids Hdwe Co Grand Rapids Mich (212)
Protex Weatherstrip Mfg Co 4500 S Western Chgo Ill
Pullman Mfg Corp Rochester 7 N Y
Samson Products Co 4238 N Leavitt Av Chgo 18 Ill
Turner & Seymour Mfg Co Torrington Conn
Unique Balance Co Inc 25 Eastern Blvd NY NY
Western Foundry Co 2400 S W Water Av Portland 1 Ore
Zegers Inc 5615 Harper Av Chgo 37 Ill (156)

SASH PULLEYS

Arcade Mfg Co Freeport Ill
Austin & Eddy Inc P O Box 1504 Boston 4 Mass
Champion Hdwe Co Geneva O
Chantrell Hdwe & Tool Co Fitchburg Mass
Cleveland Lock Wks Div Consolidated Iron Steel Mfg Co 1283 E 53rd Cleveland 14 Ohio (202)
P & F Corbin New Britain Conn (201)
Grand Rapids Hdwe Co Grand Rapids Mich (212)
Grant Pulley & Hdwe Co 33-36 57 Woodside Long Island N Y
Kline Hdwe Co Allentown Pa
Lockwood Hdwe Mfg Co Fitchburg Mass (163)
Natl Lock Co Rockford Ill (15)
Penn Hdwe Co Reading Pa
Phoenix Lock Co Newark 7 N J
Protex Weatherstrip Mfg Co 4500 S Western Chgo Ill
Russell & Erwin Div The American Hardware Corp New Britain Conn (202)
Sargent & Co New Haven Conn
The Stanley Wks New Britain Conn (64)
Western Foundry Co 2400 S W Water Av Portland 1 Ore

SASH WEIGHTS

Belmont Smelting & Refining Wks Inc 330 Belmont Av Brooklyn N Y
Bennett-Ireland Norwich NY (196)
Grey Iron Casting Co Mt Joy Pa
Johnston & Jennings Co Cleveland O
King Stove & Range Co Sheffield Ala
National Lead Co 111 Broadway NY NY
Protex Weatherstrip Mfg Co 4500 S Western Chicago Ill
Quinn Wire & Iron Wks Boone Ia
Thayer Fdry Co Atchison Kan
Waterbury Fdry Co Waterbury Conn
Western Fdry Co Portland 1 Ore
Western Fdry & Sash Weight Co St Louis Mo
Yonkers Sash Weight Corp Yonkers 1 N Y

SAW GUARDS

American Saw Mill Mchry Co Hackettstown N J (218)
E C Atkins & Co Indianapolis Ind
Beach Mfg Co Montrose Pa
Crescent Machine Co Leetonia O
Equipment Engineering Co 4722 Broadway Kansas City 2 Mo (194)
The Filer & Stowell Co Milwaukee 7 Wis
Oliver Machinery Co Grand Rapids 2 Mich
Sharp Mfg Co 1224 Wall Los Angeles 15 Cal

SAW MANDRELS

American Saw Mill Mchry Co Hackettstown N J (218)
Beach Mfg Co Montrose Pa
Clizbe Bros Mfg Co Plymouth Ind
Corinth Machinery Co Corinth Miss (171)
The Filer & Stowell Co Milwaukee 7 Wis
Lane Mfg Co Montpelier Vt (146)
Prescott Co Menominee Mich
J D Wallace & Co 134 S California Av Chgo Ill
Western Foundry Co 2400 S W Water Av Portland 1 Ore
Yates American Mach Co Beloit Wis

SAW REPAIRS & ADJUSTMENTS

E C Atkins & Co Indianapolis 9 Ind
Equipment Engineering Co 4722 Broadway Kansas City 2 Mo (194)
Miner & Son Saw Works Shreveport 90 La (218)
J H Miner Saw Mfg Co Meridian Miss (236)

SAW SHARPENING MACHINES

E C Atkins & Co Indianapolis Ind
Henry Disston & Sons Inc Tacony Philadelphia 35 Pa
The Filer & Stowell Co Milwaukee 7 Wis
Foley Mfg Co Minneapolis Minn
Hanchett Mfg Co Big Rapids Mich
Prescott Co Menominee Mich
Samuel S Rogers & Co Buffalo N Y
Wardwell Mfg Co Cleveland 9 O
Yates-American Mach Co Beloit Wis

SAWMILL DOGS

Allis Chalmers Mfg Co Milwaukee Wis (152)
American Saw Mill Mchry Co Hackettstown N J (218)
Bennett-Ireland Norwich NY (196)
Chase Turbine Mfg Co Orange Mass
Corinth Machinery Co Corinth Miss (171)
Corley Mfg Co Chattanooga 1 Tenn (174)
The Filer & Stowell Co Milwaukee 7 Wis
Kent Machine Co Cuyahoga Falls Ohio (218)
Lane Mfg Co Montpelier Vt (146)
McDonough Mfg Co Eau Claire Wis (152)
Prescott Co Menominee Mich

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SAWS—band

Allis Chalmers Mfg Co Milwaukee Wis (152)
American Saw Mill Mchry Co Hackettstown N J (218)
E C Atkins & Co Indianapolis 9 Ind
Beach Mfg Co Montrose Pa
Boice Crane Co Toledo 6 O
Crescent Mach Co Leetonia O
Delta Mfg Co Milwaukee Wis
DeWalt Prod Corp Lancaster Pa (141)
Henry Disston & Sons Inc Tacony Philadelphia 35 Pa
J A Fay & Egan Co 1110 Alfred Cincinnati 22 Ohio
Huther Bros Saw Mfg Co Inc Rochester 7 N Y
E T Lippert Saw Co Pittsburgh 9 Pa
Millers Falls Co Greenfield Mass
Oliver Machinery Co Grand Rapids 2 Mich
Parks Woodworking Mach Cincinnati O
Sandvik Saw & Tool Corp 47 Warren NY NY
Simonds Saw & Steel Co Fitchburg Mass (52)
The Stanley Wks New Britain Conn (64)
Walker Turner Co Inc Plainfield N J
J D Wallace & Co 153 S California Av Chgo 12 Ill
S A Woods Machine Co Boston 27 Mass
Woodworkers Tool Wks 222 S Jefferson Chgo Ill
Yates-American Mach Co Beloit Wis

SAWS—bench

American Saw Mill Mchry Co Hackettstown N J (218)
Arcade Mfg Co Freeport Ill
E C Atkins & Co Indianapolis Ind
Beach Mfg Co Montrose Pa
Boice Crane Co Toledo O
Delta Mfg Co Milwaukee Wis
DeWalt Prod Corp Lancaster Pa (141)
Henry Disston & Sons Inc Tacony Philadelphia 35 Pa
Greenlee Bros & Co Rockford Ill
E T Lippert Saw Co Pittsburgh Pa
Newman Machine Co Inc Greensboro N C
Parks Woodworking Machine Co Cincinnati O
Walker Turner Co Inc Plainfield N J
J D Wallace & Co 134 S California Av Chgo Ill
Yates-American Machine Co Beloit Wis

SAWS—bucking

E C Atkins & Co Indianapolis Ind
Beach Mfg Co Montrose Pa
Cummings Machine Works 9 Melcher Boston 10 Mass (153)
Davey Compressor Co Kent Ohio
Henry Disston & Sons Inc Tacony Philadelphia 35 Pa
Harry A Lowther Co 141 W Jackson Blvd Chgo 4 Ill
Mall Tool Co 7733 South Chicago Av Chgo 19 Ill (51)
Mill & Mine Supply Co Seattle 4 Wash (170)
Ohlen-Bishop Co Columbus O
Sandvik Saw & Tool Corp 47 Warren New York 7 N Y

SAWS—chamfering

E C Atkins & Co Indianapolis 9 Ind
C K L Machinery Co Oshkosh Wis
Henry Disston & Sons Inc Tacony Philadelphia 35 Pa
Huther Bros Saw Mfg Co Inc Rochester 7 N Y

SAWS—circular

American Saw Mill Mchry Co Hackettstown N J (218)
E C Atkins & Co Indianapolis Ind
Beach Mfg Co Montrose Pa
Chase Turbine Mfg Co Orange Mass
Corley Mfg Co Chattanooga 1 Tenn (174)
Delta Mfg Co Milwaukee Wis
DeWalt Prod Corp Lancaster Pa (141)
Henry Disston & Sons Inc Tacony Philadelphia 35 Pa
Equipment Engineering Co 4722 Broadway Kansas City 2 Mo (194)
R Hoe & Co Inc East River & 138th NY NY
Huther Bros Saw Mfg Co Inc Rochester 7 N Y
E T Lippert Saw Co Pittsburgh Pa
Mall Tool Co 7733 So Chicago Av Chgo 19 Ill (51)
The Master Woodworker Mfg Co Inc 409 E Fort Detroit 26 Mich
J H Miner Saw Mfg Co Meridian Miss (236)
Ohlen-Bishop Co Columbus O
Oliver Machinery Co Grand Rapids 2 Mich
Parks Woodworking Machine Co Cincinnati O
L Power & Company 2815 Oakford Philadelphia 46 Pa
Sandvik Saw & Tool Corp 47 Warren New York 7 N Y.
Simonds Saw & Steel Co Fitchburg Mass (52)
Walker Turner Co Inc East Plainfield N J
J D Wallace & Co 147 S California Av Chgo Ill
Woodworkers Tool Wks 222 S Jefferson Chgo Ill
Yates-American Mach Co Beloit Wis

SAWS—circular dado

American Saw Mill Mchry Co Hackettstown N J (218)
Beach Mfg Co Montrose Pa
Boice Crane Co Toledo 6 Ohio
DeWalt Prod Corp Lancaster Pa (141)
Henry Disston & Sons Inc Tacony Philadelphia 35 Pa
Equipment Engineering Co 4722 Broadway Kansas City 2 Mo (194)
Huther Bros Saw Mfg Co Inc Rochester 7 N Y
The Master Woodworker Mfg Co Inc 409 E Fort Detroit 26 Mich
Simonds Saw & Steel Co Fitchburg Mass (52)

SAWS—cutoff

American Saw Mill Mchry Co Hackettstown N J (218)
E C Atkins & Co Indianapolis 9 Ind
Beach Mfg Co Montrose Pa
Boice Crane Co Toledo 6 Ohio
C K L Machinery Co Oshkosh Wis
Crescent Mach Co Leetonia O
DeWalt Prod Corp Lancaster Pa (141)
Henry Disston & Sons Inc Tacony Philadelphia 35 Pa
Equipment Engineering Co 4722 Broadway Kansas City 2 Mo (194)
J A Fay & Egan Co Cincinnati O
Huther Bros Saw Mfg Co Inc Rochester 7 N Y
E T Lippert Saw Co Pittsburgh 9 Pa
The Master Woodworker Mfg Co Inc 409 E Fort Detroit 26 Mich
Mattison Machine Works Rockford Ill
Ohlen-Bishop Co Columbus O
Oliver Machinery Co Grand Rapids 2 Mich
C O Porter Machinery Co 666-668 Front Av N W Grand Rapids 4 Mich
Sandvik Saw & Tool Corp 47 Warren New York 7 N Y
Simonds Saw & Steel Co Fitchburg Mass (52)
Stetson-Ross Mach Co Seattle 4 Wash
J D Wallace & Co 153 S California Av Chgo 12 Ill
Witte Engine Works Div of Oil Well Supply Co Kansas City 3 Mo
S A Woods Machine Co Boston 27 Mass
Yates-American Mach Co Beloit Wis

SAWS—grooving

E C Atkins & Co Indianapolis 9 Ind
Beach Mfg Co Montrose Pa
Boice Crane Co Toledo 6 Ohio
Corley Mfg Co Chattanooga Tenn (174)
DeWalt Prod Corp Lancaster Pa (141)
Henry Disston & Sons Inc Tacony Philadelphia 35 Pa
Huther Bros Saw Mfg Co Inc Rochester 7 N Y
E T Lippert Saw Co Pittsburgh Pa
Ohlen-Bishop Co Columbus O
Simonds Saw & Steel Co Fitchburg Mass (52)
Skilsaw Inc 5033 Elston Av Chgo 30 Ill (232)
S A Woods Machine Co Boston 27 Mass
Woodworkers Tool Wks 222 S Jefferson Chgo Ill

SAWS—hand

American Saw & Mfg Co Springfield Mass
E C Atkins & Co Indianapolis 9 Ind
Henry Disston & Sons Inc Tacony Philadelphia 35 Pa
Mephisto Tool Co Inc Hudson NY
Sandvik Saw & Tool Corp 47 Warren NY NY
Simonds Saw & Steel Co Fitchburg Mass (52)
L S Starrett Co Athol Mass
The Wellman Products Co Cleveland 3 O

SAWS—hole

Black & Decker Mfg Co Towson 4 Md
Misener Mfg Co Inc Syracuse 2 N Y

SAWS—inserted tooth circular

E C Atkins & Co Indianapolis 9 Ind
Chase Turbine Mfg Co Orange Mass
Chattanooga Saw Wks Chattanooga Tenn
Henry Disston & Sons Inc Tacony Philadelphia 35 Pa
J A Fay & Egan Co 1110 Alfred Cincinnati 22 Ohio
R Hoe & Co Inc 910 E 138th NY 54 NY
Huther Bros Saw Mfg Co Inc Rochester 7 N Y
E T Lippert Saw Co Pittsburgh Pa
Miner & Son Saw Works Shreveport 90 La (218)
Ohlen-Bishop Co Columbus O
Simonds Saw & Steel Co Fitchburg Mass (52)

SAWS—jig

E C Atkins & Co Indianapolis Ind
Beach Mfg Co Montrose Pa
Boice Crane Co Toledo 6 O
Henry Disston & Sons Inc Tacony Philadelphia 35 Pa
J A Fay & Egan Co 1110 Alfred Cincinnati 22 Ohio
Forsberg Mfg Co Bridgeport 1 Conn
E T Lippert Saw Co Pittsburgh Pa
Oliver Machinery Co Grand Rapids 2 Mich
Walker Turner Co Inc East Plainfield N J

SAWS—metal cutting

E C Atkins & Co Indianapolis 9 Ind
Beach Mfg Co Montrose Pa
Boice Crane Co Toledo 6 Ohio
Delta Mfg Co Milwaukee Wis
DeWalt Prod Corp Lancaster Pa (141)
Henry Disston & Sons Inc Tacony Philadelphia 35 Pa
J A Fay & Egan Co 1110 Alfred Cincinnati 22 Ohio
Forsberg Mfg Co Bridgeport 1 Conn
Huther Bros Saw Mfg Co Inc Rochester 7 N Y
E T Lippert Saw Co Pittsburgh Pa
Miller Falls Co Greenfield Mass
Oliver Machinery Co Grand Rapids 2 Mich
Simonds Saw & Steel Co Fitchburg Mass (52)
Skilsaw Inc 5033 Elston Av Chgo 30 Ill (232)
L S Starrett Co Athol Mass
The Wellman Products Co 1444 E 49th Cleveland 3 Ohio

SAWS—mitre

E C Atkins & Co Indianapolis 9 Ind
Beach Mfg Co Montrose Pa
Boice Crane Co Toledo 6 Ohio
DeWalt Prod Corp Lancaster Pa (141)
Henry Disston & Sons Inc Tacony Philadelphia 35 Pa
Equipment Engineering Co 4722 Broadway Kansas City 2 Mo (194)
J A Fay & Egan Co Cincinnati O
Huther Bros Saw Mfg Co Inc Rochester 7 N Y
Millers Falls Co Greenfield Mass
Ohlen-Bishop Co Columbus O
Oliver Machinery Co Grand Rapids 2 Mich
Simonds Saw & Steel Co Fitchburg Mass (52)

SAWS—muley

E C Atkins & Co Indianapolis 9 Ind
Ohlen-Bishop Co Columbus O

SAWS—portable electric

Beach Mfg Co Montrose Pa
Black & Decker Mfg Co Towson Md
Casey Mfg Co Oshkosh Wis
Clarke Sanding Mach Co Muskegon 82 Mich
DeWalt Prod Corp Lancaster Pa (141)
Equipment Engineering Co 4722 Broadway Kansas City 2 Mo (194)
Independent Pneumatic Tool Co 600 W Jackson Chgo 6 Ill
Mall Tool Co 7733 So Chicago Av Chgo 19 Ill (51)
The Master Woodworker Mfg Co Inc 409 E Fort Detroit 26 Mich
Porter Cable Machine Co Syracuse N Y
Skilsaw Inc 5033 N Elston Chgo Ill (232)
Stanley Electric Tools 111 Elm New Britain Conn (64)
U S Electrical Tool Co Cincinnati 14 O
The Vulcan Iron Works Co Denver 2 Colo
Fred W Wappat Mayville N Y
The Wellman Products Co 1444 E 49th Cleveland 3 Ohio

Number in parenthesis indicates page on which advertisement appears

SAWS—power, tree falling & log bucking

E C Atkins & Co Indianapolis Ind
Cummings Machine Works 9-11 Melcher Boston 10 Mass (153)
Davey Compressor Co Kent Ohio
Henry Disston & Sons Inc Tacony Philadelphia 35 Pa
Hansen Mach & Supply Co 820 Broadway Eureka Cal
Lafayette Metal Products Co Oakland Calif
Lombard Governor Corp Ashland Mass
Harry A. Lowther Co 141 W Jackson Chgo 4 Ill
Mall Tool Co 7733 So Chicago Av Chgo 19 Ill (51)
Mill & Mine Supply Co Seattle 4 Wash (170)
Reed-Prentice Corp Worcester 4 Mass
The Vulcan Iron Works Co Denver 2 Colo
Witte Engine Works Div of Oil Well Supply Co Kansas City 3 Mo

SAWS—radial

American Saw Mill Mchry Co Hackettstown N J (218)
Beach Mfg Co Montrose Pa
Consolidated Machinery & Supply Co Ltd 2031 Santa Fe Av Los Angeles 21 Calif
DeWalt Prod Corp Lancaster Pa (141)
Equipment Engineering Co 4722 Broadway Kansas City 2 Mo (194)
The Master Woodworker Mfg Co Inc 409 E Fort Detroit 26 Mich
Porter Cable Mach Co Syracuse N Y
Red Star Products Inc 3455 Vega Av Cleveland Ohio
Walker-Turner Co Inc Plainfield N J
J D Wallace & Co 153 So California Av Chgo 12 Ill
Fred W Wappat Mayville N Y

SAWS—rip

Equipment Engineering Co 4722 Broadway Kansas City 2 Mo (194)

SAWS—solid tooth circular

E C Atkins & Co Indianapolis 9 Ind
Beach Mfg Co Montrose Pa
Henry Disston & Sons Inc Tacony Philadelphia 35 Pa
R Hoe & Co Inc 910 E 138th NY 54 NY
Huther Bros Saw Mfg Co Inc Rochester 7 NY
E T Lippert Saw Co Pittsburgh 9 Pa
Miner & Son Saw Works Shreveport 90 La (218)
Sandvik Saw & Tool Corp 47 Warren New York 7 N Y
Simonds Saw & Steel Co Fitchburg Mass (52)

SAWS—swing

American Saw Mill Mchry Co Hackettstown N J (218)
Beach Mfg Co Montrose Pa
E C Atkins & Co Indianapolis Ind
Corinth Machinery Co Corinth Miss (171)
Corley Mfg Co Chattanooga Tenn (174)
Crescent Machine Co Leetonia O
DeWalt Prod Corp Lancaster Pa (141)
J A Fay & Egan Co 1110 Alfred Cincinnati 22 Ohio
The Filer & Stowell Co Milwaukee 7 Wis
Lane Mfg Co Montpelier Vt (146)
The Master Woodworker Mfg Co Inc 409 E Fort Detroit 26 Mich
Ohlen-Bishop Co Columbus O
Oliver Machinery Co Grand Rapids 2 Mich
S A Woods Machine Co Boston 27 Mass
Yates-American Machine Co Beloit Wis

SAWS—tilting arbor table

Baxter D Whitney & Son Inc Winchendon Mass
Beach Mfg Co Montrose Pa
Boice Crane Co Toledo 6 Ohio
DeWalt Prod Corp Lancaster Pa (141)
J A Fay & Egan Co 1110 Alfred Cincinnati 22 Ohio
The Filer & Stowell Co Milwaukee 7 Wis
Oliver Machinery Co Grand Rapids 2 Mich
U S-Challenge Co Batavia Ill
Witte Engine Works Div of Oil Well Supply Co Kansas City 3 Mo

SAWS—variety

E C Atkins & Co Indianapolis Ind
Beach Mfg Co Montrose Pa
Boice Crane Co Toledo 6 Ohio
DeWalt Prod Corp Lancaster Pa (141)
Greenlee Bros & Co Rockford Ill
The Master Woodworker Mfg Co Inc 409 E Fort Detroit 26 Mich
Oliver Machinery Co Grand Rapids 2 Mich
Skilsaw Inc 5033 Elston Av Chgo 30 Ill (232)
J D Wallace & Co 153 So California Av Chgo 12 Ill
Baxter D Whitney & Son Inc Winchendon Mass

SAW SETS

E C Atkins & Co Indianapolis 9 Ind
DeWalt Prod Corp Lancaster Pa (141)
Henry Disston & Sons Inc Tacony Philadelphia 35 Pa
John H Graham & Co Inc 105 Duane NY 8 NY
Hanchett Mfg Co Big Rapids Mich
Millers Falls Co Greenfield Mass
Sandvick Saw & Tool Corp 47 Warren NY NY
Sargent & Co New Haven Conn
Simonds Saw & Steel Co Fitchburg Mass (52)
The Stanley Wks New Britain Conn (64)
E C Stearns & Co Syracuse N Y

SCAFFOLDS

Advance Equipment Mfg Co 4617 W Chicago Av Chgo Ill
American Ladder Co 3700 W 35th Chgo Ill
W W Babcock Co Bath N Y
John Berg Mfg Co 5319 S LaSalle Chgo Ill
J R Clark Co Minneapolis Minn
Deco Vator Scaffolding Corp Detroit Chgo Ill
The Goshen Mfg Co Goshen Ind
Newark Ladder & Bracket Sales Co Inc 657 S 13th Newark 3 NJ
Michigan Ladder Co Ypsilanti Mich
Moulton Ladder Mfg Co Somerville Mass
Patent Scaffolding Co 1550 N Dayton St Chgo Ill
Rich Ladder & Mfg Co 1000 Depot St Cincinnati 4 O
Ridgely Trimmer Co Springfield O
Safeway Steel Prod Inc Milwaukee 13 Wis
Steel Scaffolding Co Evansville Ind
John S Tilley Ladders Co Inc Watervliet N Y
Wagner Mfg Co Cedar Falls Iowa (scaffold brackets)
Warner Mfg Co 801 16th Av SE Minneapolis 14 Minn
Woodenware Prod Corp St Louis 1 Mo

SCALES—counter

Barnes Prod Inc Detroit Mich
Buffalo Scale Co Buffalo N Y
John Chatillon & Sons 85 Cliff NY NY
Dayton Scale Co Dayton O
The Exact Weight Scale Co Columbus Ohio
Fairbanks Morse & Co 600 S Michigan Av Chgo Ill (29)
Hanson Scale Co 525 N Ada Chgo Ill
Howe Scale Co Rutland Vt
Toledo Scale Co Toledo O
Triner Scale & Mfg Co 2714 W 21st Chgo Ill

SCALES—moisture content, lumber

John Chatillon & Sons 85 Cliffe New York 7 N Y
Exact Weight Scale Co Columbus O
Fairbanks Morse & Co 600 S Michigan Av Chgo Ill (29)
Grand Rapids Vapor Kiln Inc Grand Rapids 2 Mich
Moore Dry Kiln Co P O Box 4248 Jacksonville 1 Fla (227)
Standard Dry Kiln Co P O Box 541 Indianapolis Ind
Toledo Scale Co Toledo Ohio

SCALES—platform

American Scale Co Kansas City Mo
Bonded Scale Co 19 Bellview Ave Columbus 7 Ohio
Buffalo Scale Co Buffalo N Y
John Chatillon & Son 85 Cliff NY NY
Dayton Scale Co Dayton O
The Exact Weight Scale Co Columbus Ohio
Fairbanks Morse & Co 600 S Michigan Av Chgo Ill (29)
Howe Scale Co Rutland Vt
Jacobs Bros Co Inc 1 Main Brooklyn N Y
Knowles Scale Wks Lowell Mas
Toledo Scale Co Toledo O

SCALES—truck

Bonded Scale Co 19 Bellview Ave Columbus 7 Ohio
Buffalo Scale Co Buffalo N Y
Fairbanks Morse & Co 600 S Michigan Av Chgo Ill (29)
Howe Scale Co Rutland Vt
Toledo Scale Co Toledo O

SCALES—warehouse

Bonded Scale Co 19 Bellview Ave Columbus 7 Ohio
Buffalo Scale & Mfg Co Buffalo N Y
John Chatillon & Sons 85 Cliffe New York 7 N Y
Exact Weight Scale Co Columbus O
Fairbanks Morse & Co 600 S Michigan Av Chgo Ill (29)
Howe Scale Co Rutland Vt
Toledo Scale Co Toledo O

SCRAPERS—foot

Grey Iron Casting Co Mt Joy Pa
Lawrence Bros Sterling Ill
McKinney Mfg Co Pittsburgh Pa (197)
Richards-Wilcox Mfg Co Aurora Ill
Sargent & Co New Haven Conn

SCREEDS—base

Consolidated Expanded Metals Cos
Knapp Bros Mfg Co Joliet Ill
Milcor Steel Co 4101 W Burnham Milwaukee 4 Wis (161)
Penn Metal Co Inc 205 E 42nd NY 17 NY
Truscon Steel Co Youngstown O
United States Gypsum Co 300 W Adams Chgo 6 Ill
Wheeling Corrugating Co Wheeling W Va (42)

SCREEN WIRE

American Brass Co Waterbury Conn
American Wire Fabrics Corp 500 5 Av NY NY (66)
Chase Brass & Copper Co Waterbury Conn
Clinton Wire Cloth Co Clinton Ia
Cyclone Fence Div American Steel & Wire Co P O Box 260 Waukegan 1 Ill (165)
Driver-Harris Co Harrison N J
Gilbert & Bennett Mfg Co Blue Island Ill
Hanover Wire Cloth Co Hanover Pa
Ingersoll Steel & Disc Div Borg Warner Corp 310 S Michigan Av Chgo Ill
C O Jelliff Mfg Corp Southport Conn
Keystone Steel & Wire Co Peoria Ill
New York Wire Cloth Co 500 5th Av NY NY
Orange Screen Co Maplewood N J
Pennsylvania Woven Wire Co Lock Haven Pa
Pequot Wire Cloth Co Inc So Norwalk Conn
John A Roebling's Sons Co Trenton N J
Seneca Wire & Mfg Co Fostoria O (237)
Southern Wire & Iron Wks 441 Memorial Dr S E Atlanta Ga
Wickwire Bros Inc Cortland N Y (158)
Wickwire Spencer Steel A Div of The Colorado Fuel & Iron Corp 500 Fifth Av New York 18 N Y (66)

SCREEN WIRE—plastic

Chicopee Mfg Corp 40 Worth New York 13 N Y (61)
Firestone Industrial Products Co 1200 Firestone Pkway Akron 17 Ohio (4)
New York Wire Cloth Co 500 5th Av NY NY
Pennsylvania Woven Wire Co Lock Haven Pa
Pierce Plastics Inc Bay City Mich
Wickwire Spencer Steel A Div of The Colorado Fuel & Iron Corp 500 Fifth Av New York 18 N Y (66)

SCREENS—door & window, metal frame

Adams Co Dubuque Ia
Crittall-Federal Inc Waukesha Wis
W J Dennis & Co 1732 N Kolmar Av Chgo 39 Ill
Detroit Steel Prods Co Detroit Mich
Gabriel Steel Co Detroit Mich

Number in parenthesis indicates page on which advertisement appears

Gold Seal Mfg Co 1228 W Kinzie Chgo 22 Ill
Hope's Windows Inc Jamestown NY
Ingersoll Steel Div Borg Warner Corp 310 S Michigan Av Chgo 4 Ill
James Mfg Co Ft Atkinson Wis
Kane Mfg Corp Kane Pa
Kewanee Mfg Co Kewanee Ill
Mesker Bros 433 So 7th St St Louis Mo
Michel & Pfeffer Iron Wks Inc 1415 Harrison San Fran 3 Cal
Orange Screen Co Maplewood N J
S Parker Hardware Mfg Co 27 Ludlow New York 2 N Y
Protex Weatherstrip Mfg Co 4500 S Western Chgo Ill
Rudiger Lang Co Berkeley Cal
Samson Products Co 4238 N Leavitt Av Chgo 18 Ill
Soule Steel Co San Francisco 24 Cal
Truscon Steel Co Youngstown O

SCREENS—door & window, wood frame

American Sash & Door Co Kan City Mo
Angel Novelty Co Fitchburg Mass
Carr Adams & Collier Co Dubuque Ia (23)
Cole Mfg Co Memphis Tenn
Continental Screen Co Detroit 26 Mich
Curtis Cos Inc Clinton Ia (12)
W J Dennis & Co 1732 N Kolmar Av Chgo 39 Ill
Farley & Loetscher Mfg Co Dubuque Iowa
Fordyce-Crossett Sales Co Fordyce Ark
Gen'l Woodcraft Co Inc North Bergen N J
Gregg & Son Nashua N H
Huttig Mfg Co Muscatine Ia
Huttig Sash & Door Co St Louis Mo
Ideal Co Box 889 Waco Tex
Kane Mfg Corp Kane Pa
The Long-Bell Lumber Co Kansas City 6 Mo
Marquart Millwork Co Oshkosh Wis (219)
Morgan Co Oshkosh Wis
Pacific Mutual Door Co Tacoma Wash (225)
The Radford Co Oshkosh Wis
Roach & Musser Co Muscatine Ia
Rock Island Sash & Door Wks Rock Island Ill
F E Schumacher Co Hartville O
Segelke & Kohlhaus Co La Crosse Wis
Geo J Silbernagel S S Michigan Av Chgo 11 Ill (176)
Southern Wire & Iron Wks 441 Memorial Dr S E Atlanta Ga
West Coast Screen Co Los Angeles 1 Cal
White Pine Sash Co Spokane 7 Wash

SCREENS—electric for doors & windows

Electro-Static Mfg Co Niles Mich
Gardner Mfg Co Horicon Wis
Harvard Electric Co 2608 W Flournoy Chgo Ill
National Elec Screen Corp 549 W Washington Chgo 6 Ill

SCREENS—fireplace

Adams Co Dubuque Ia
The American Windshield & Specialty Co Milford Conn
Bennett-Ireland Norwich N Y (196)
Chattanooga Implement & Mfg Co Chattanooga 6 Tenn
Colonial Brass Co Middleboro Mass
Colonial Fireplace Co 540 N Cicero Av Chgo 44 Ill
The Donley Bros Co 13928 Miles Av Cleveland 5 Ohio (221)
Littlestown Hdw & Fdry Co Littlestown Pa
Logan Co Inc Louisville Ky
Majestic Co Huntington Ind
Michel & Pfeffer Iron Wks Inc 1415 Harrison San Fran 3 Cal
Peerless Mfg Corp Louisville Ky
Sheffield Mfg Co 119 W 25 NY NY
John P Smith Co New Haven Conn
Southern Wire & Iron Wks 441 Memorial Dr S E Atlanta Ga
A L Swett Iron Wks Medina N Y

SCREENS—rolling window

Higgin Prod Inc Newport Ky
Kane Mfg Corp Kane Pa
Metalcraft Screen Co 1171 Tremont Boston Mass
Rolscreen Co Pella Ia
Rudiger Lang Co Berkeley Cal
Universal Roller Screen Co 2055 N Racine Av Chgo Ill

SCREENS—sun deflector

Kane Mfg Corp Kane Pa
Ingersoll Steel Div Borg Warner Corp 310 S Michigan Av Chgo 4 Ill
Orange Screen Co Maplewood N J

SCREW DRIVERS

American Swiss File & Tool Co Elizabeth N J
Otto Bernz Co Rochester N Y
Bonney Forge & Tool Wks Allentown Pa
Bridgeport Hdw Mfg Co Bridgeport 5 Conn
Cornwell Quality Tools Co Mogadore O
Crescent Tool Co Jamestown N Y
Damascus Steel Prod Corp Rockford Ill
Henry Disston & Sons Inc Tacony Philadelphia 35 Pa
Fairmont Tool & Forging Co 10611 Quincy Av Cleveland Ohio
Forsberg Mfg Co Bridgeport Conn
John H Graham & Co Inc 105 Duane NY 8 NY
H J Harrold Tool Co Columbiana O
Mayhew Steel Prods Inc Shelburne Falls Mass
Mephisto Tool Co Inc Hudson NY
Millers Falls Co Greenfield Mass
North Bros Mfg Co Philadelphia Pa
Owatonna Tool Co Owatonna Minn
P & C Forged Tool Co Portland Ore
Plomb Tool Co Los Angeles 54 Calif
Rainey-Tools Grove City Pa
Rockford Screw Products Co Rockford Ill
The Stanley Wks New Britain Conn (64)
L S Starrett Co Athol Mass
Tuck Mfg Co Brockton 39 Mass
Union Hdwe Co Torrington Conn
United Wire Goods Mfg Co Inc 1150 Broadway NY NY
Vichek Tool Co Cleveland O
Washburn Co Worcester Mass
Wilde Drop Forge & Tool Co Inc Kansas City Mo

SCREW DRIVERS—portable electric

Black & Decker Mfg Co Towson Md
Chicago Pneumatic Tool Co 6 E 44 NY NY
Independent Pneumatic Tool Co 600 W Jackson Chgo 6 Ill
Millers Falls Co Greenfield Mass
Stanley Electric Tools 111 Elm New Britain Conn (64)
U S Electrical Tool Co Cincinnati 14 O

SCREW DRIVERS—ratchet

American Swiss File & Tool Co Elizabeth N J
Greenlee Bros & Co Rockford Ill
John H Graham & Co Inc 105 Duane NY 8 NY
Millers Falls Co Greenfield Mass

SCREWS—brass & bronze

American Screw Co Providence R I
Atlas Bolt & Screw Co Cleveland O
Austin & Eddy Inc P O Box 1504 Boston 4 Mass
Blake & Johnson Co Waterville Conn
Bridgeport Brass Co Bridgeport Conn
Central Screw Co 3501 S Shields Av Chgo Ill
Chase Brass & Copper Co Waterbury Conn
Continental Screw Co New Bedford Mass
Curtis Screw Co Inc Buffalo N Y
Elco Tool & Screw Corp 1818 Broadway Rockford Ill
Fiwale Equipment Mfg Co 165 Church NY 7 NY
Wm H Haskell Mfg Co Pawtucket R I
The Lamson & Sessions Co Cleveland 2 Ohio (230)
Manufacturers Screw Prod 222 W Hubbard Chgo 10 Ill
Natl Acme Co Cleveland O
Natl Lock Co Rockford Ill (15)
National Screw & Mfg Co Cleveland 4 O
S Parker Hardware Mfg Co 27 Ludlow New York 2 N Y
Pheoll Mfg Co 5700 Roosevelt Rd Chgo Ill
Reed & Prince Mfg Co Worcester Mass
Rockford Screw Products Co Rockford Ill
St Louis Screw & Bolt Co St Louis Mo
Scovill Mfg Co Waterbury 91 Conn
Sterling Bolt Co 209 W Jackson Blvd Chgo 6 Ill
Southington Hdwe Mfg Co Southington Conn

SCREWS—machine

Ackerman-Johnson Co 625 W Jackson Blvd Chgo Ill
American Screw Co Providence R I
Atlas Bolt & Screw Co Cleveland O
Austin & Eddy Inc P O Box 1504 Boston 4 Mass
Blake & Johnson Co Waterville Conn
J G Braun Co 609 S Paulina Chgo 12 Ill (aluminum)
Central Screw Co 3501 S Shields Av Chgo Ill
Chase Brass & Copper Co Waterbury 91 Conn
Clark Bros Bolt Co Milldale Conn
Continental Screw Co New Bedford Mass
Economy Screw Corp 2717 Greenview Av Chgo Ill
Elco Tool & Screw Corp 1818 Broadway Rockford Ill
Gedge Bros Steel Roofing Co Anderson Ind
Genl Screw Mfg Co 1228 W Monroe Chgo Ill
Lamson & Sessions Co Cleveland O (230)
Manufacturers Screw Prod 222 W Hubbard Chgo 10 Ill
Natl Screw & Mfg Co Cleveland O
Paine Co 2951 W Carroll Av Chgo 12 Ill
Pheoll Mfg Co 5700 Roosevelt Rd Chgo Ill
Reading Screw Co Norristown Pa
Reed & Prince Mfg Co Worcester Mass
Rockford Screw Prods Co Rockford Ill
Russell Burdsall & Ward Bolt & Nut Co Port Chester N Y
Screw Machine Specialty Co Pittsburgh 1 Pa (special only)
St Louis Screw Co St Louis Mo
Sterling Bolt Co 209 W Jackson Chgo Ill
United Screw & Bolt Corp 2513 W Cullerton Chgo Ill

SCREWS—wood

American Screw Co Providence R I
Atlantic Screw Works Hartford Conn
Austin & Eddy Inc P O Box 1504 Boston 4 Mass
J G Braun Co 609 S Paulina Chgo 12 Ill (aluminum)
Continental Screw Co New Bedford Mass
Elco Tool & Screw Corp 1818 Broadway Rockford Ill
Fiwale Equipment Mfg Co 165 Church NY 7 NY
Hubbard & Co 6301 Butler St Pittsburgh 1 Pa
Manufacturers Screw Prod 222 W Hubbard Chgo 10 Ill
Natl Screw & Mfg Co Cleveland O
Chas Parker Co Meridan Conn
Paine Co 2955 Carroll Av Chgo Ill
Pheoll Mfg Co 5700 W Roosevelt Rd Chgo 50 Ill
Reading Screw Co Norristown Pa
Reed & Prince Mfg Co Worcester Mass
Rockford Screw Prods Co Rockford Ill
Southington Hardware Mfg Co Southington Conn
Sterling Bolt Co 209 W Jackson Blvd Chgo 6 Ill
The Wellman Products Co 1444 E 49th Cleveland 3 Ohio

SCUTTLES—roof

Bilco Mfg Co New Haven 6 Conn (184)

SET GRATES—cast iron

The Adams Co Dubuque Iowa
Chattanooga Implement & Mfg Co E Chattanooga 6 Tenn
Western Foundry Co Portland 1 Ore

SHADES—window

Aeroshade Co Waukesha Wis
Chas W Breneman Co Cincinnati O
Clopay Corp Cincinnati O
Columbia Mills Inc 225 5 Av NY NY
Columbus Coated Fabrics Corp 7th & Grant Avs Columbus 16 Ohio
E I du Pont de Nemours & Co Newburgh N Y (177)
Higgin Prods Inc Newport Ky
Hough Shade Corp Janesville Wis
Stewart Hartshorn Co 250 Fifth Av NY 1 NY
Wm Volker & Co Kansas City Mo

Number in parenthesis indicates page on which advertisement appears

SHEATHING—asbestos cement

The Philip Carey Mfg Co Lockland Cincinnati 15 Ohio
R J Dorn Co New Orleans La
The Flintkote Co Inc 30 Rockefeller Plaza NY NY (10)
Johns-Manville Sales Corp 22 E 40th New York 16 N Y (62-63)
Keasbey & Mattison Co Ambler Pa
The Ruberoid Co 500 Fifth Av New York 18 N Y

SHEATHING—asphalt rigid board

The Barrett Div Allied Chemical & Dye Corp 40 Rector New York 6 N Y (38)
The Philip Carey Mfg Co Lockland Cincinnati 15 Ohio
The Flintkote Co Inc 30 Rockefeller Plaza NY NY (10)
Johns-Manville Corp 22 E 40th New York 16 N Y (62-63)
B F Nelson Mfg Co Minneapolis 13 Minn
The Ruberoid Co 500 Fifth Av New York 18 N Y

SHEATHING—fibre board

Armstrong Cork Co Lancaster Pa
The Philip Carey Mfg Co Lockland Cincinnati 15 Ohio
Fiberboard Products Inc San Francisco Calif
The Flintkote Co Inc 30 Rockefeller Plaza NY NY (10)
Johns-Manville Corp 22 E 40th New York 16 N Y (62-63)
Lyon Conklin & Co Baltimore 30 Md
The Masonite Corp 111 W Washington Chgo 2 Ill
National Gypsum Co Buffalo 2 N Y (insulation) (40-41)
Plastergon Wallboard Co 196 Philadelphia Ave Buffalo 7 N Y
The Sisalkraft Co 205 W Wacker Dr Chgo 6 Ill (140-168)
United States Gypsum Co 300 W Adams Chgo 6 Ill

SHEATHING—gypsum

The Celotex Corp 120 S LaSalle Chgo 3 Ill (136)
Lyon Conklin & Co Baltimore 30 Md
National Gypsum Co Buffalo 2 N Y (40-41)
Schumacher Wall Board Corp South Gate Calif
United States Gypsum Co 300 W Adams Chgo 6 Ill

SHEATHING—lumber

See lumber section beginning page 306

SHELLAC

Atlantic Varnish & Paint Co Richmond Va
Baltimore Paint & Color Works Baltimore 23 Md
Barrett Varnish Co 1532 S 50th Court Cicero 50 Ill
The A Burdsal Co Indianapolis 9 Ind
General Paint Corp San Francisco Calif
The Glidden Co 11001 Madison Av Cleveland 2 Ohio
Sterling Paint & Varnish Co Malden Mass
Valentine & Co Inc 11 E 36 New York 16 N Y
The Wellman Products Co Cleveland 3 Ohio

SHELVING—steel

All-Steel Equip Co Inc Aurora Ill
Aurora Equipment Co Aurora Ill
Cleveland Wire Spring Co 5250 Brookpark Road Cleveland 9 Ohio
Deluxe Metal Furniture Co Warren Pa
Excel Metal Cabinet Co Jamestown NY
Frick-Gallagher Mfg Co Wellston O
Harrison Steel Cabinet Co 4718 W 5th Chgo Ill
W C Heller & Co 539 N Clark St Montpelier Ohio
Houston Blow Pipe & Sheet Mtl Wks Houston Tex (20, 172)
Interlock Metal Units Inc 50 Cliff NY NY
Lyon Metal Prods Inc Aurora Ill
Republic Steel Corp Berger Mfg Div Canton 5 Ohio
Wheeling Corrugating Co Wheeling W Va (42)

SHELVING—wood

Frick-Gallagher Mfg Co Wellston O
W C Heller & Co 539 N Clark St Montpelier Ohio
Huttig Sash & Door Co St Louis Mo
M & M Wood Working Co Resnprest Div 2301 N Columbia Portland 3 Ore

SHIELDS—expansion bolt

Ackerman-Johnson Co 625 W Jackson Blvd Chgo Ill
Barrett Sales Co 2612 W Barry Av Chgo Ill
Chicago Expansion Bolt Co 2240 W Ogden Av Chgo 12 Ill
Diamond Expansion Bolt Co Garwood N J
Paine Co 2951 W Carroll Av Chgo Ill
Rawlplug Co Inc 97 Lafayette NY NY
Sterling Bolt Co 209 W Jackson Blvd Chgo Ill
U S Expansion Bolt Co Inc York Pa

SHINGLES—asbestos cement

Philip Carey Mfg Co Cincinnati 15 O
Flintkote Co 30 Rockefeller Plaza NY NY (10)
Johns-Manville Corp 22 E 40th New York 16 N Y (62-63)
Keasbey & Mattison Co Ambler Pa
The Paraffine Companies Inc 475 Brannan St San Francisco 19 Cal
The Ruberoid Co 500 Fifth Av N Y 18 N Y
Standard Asbestos Mfg Co 822 W Lake Chgo Ill
U S Gypsum Co 300 W Adams Chgo Ill

SHINGLES—asphalt

American Asphalt Roof Corp Kan City Mo
Barrett Div Allied Chemical & Dye Corp 40 Rector NY NY (38)
Bird & Son Inc East Walpole Mass
Philip Carey Mfg Co Cincinnati 15 O
Celotex Corp 120 S LaSalle Chgo Ill (136)
Certain-teed Prod Corp 120 S LaSalle Chgo Ill (60)
Flintkote Co 30 Rockefeller Plaza NY NY (10)
Ford Roofing Products Co 111 W Washington Chgo 2 Ill
Globe Roofing Prod Co Inc Whiting Ind
Johns-Manville Corp 22 E 40th New York 16 N Y (62-63)
Jones & Brown Inc Pittsburgh Pa
Lehon Co 4425 S Oakley Chgo Ill
B F Nelson Mfg Co Minneapolis Minn
The Paraffine Companies Inc 475 Brannan St San Francisco 19 Cal
The Ruberoid Co 500 Fifth Av NY 18 NY
The Texas Co 135 E 42 NY NY (159)
U S Gypsum Co 300 W Adams Chgo Ill

SHINGLES—galvanized steel

The Edwards Mfg Co 427-477 Culvert Cincinnati Ohio (160)
Ideal Can Co Everett 49 Mass
LaCrosse Steel Roofing & Corrugating Co LaCrosse Wis
Northwest Metal Prod Inc Seattle 4 Wash
Republic Steel Corp Berger Mfg Div Canton 5 Ohio
Tennessee Coal Iron & Railroad Co Birmingham Ala (165)
Wheeling Corrugating Co Wheeling W Va (42)

SHINGLES—red cedar

Acme Shingle Co Ltd 8961 Shaughnessy Vancouver B C Canada
S A Agnew Lbr Co Centralia Wash
Aloha Lbr Co Aloha Wash
Anacortes Shingle Co Anacortes Wash
Bestwood Cedar Shingle Co Ltd Barnet B C
Bloedel Stewart & Welch Ltd Vancouver B C
M T Brown Shingle Co Arlington Wash
Butler McDougall Mfg Co Ltd Vancouver B C
Canadian Western Lbr Co Ltd Fraser Mills B C
Capilano Shingle Co Ltd Vancouver B C
Central Division Co 221 N LaSalle Chgo 1 Ill
Joseph Chew Shingle Co Ltd Vancouver B C
A F Coats Lbr Co Tillamook Ore
Corbett Mill Co Anacortes Wash
Creo-Dipt Co Inc North Tonawanda N Y
Crescent Shingle Co Kelso Wash
Eatonville Lbr Co Eatonville Wash
Fluhrer Bros Astoria Ore
Forks Shingle Co Forks Wash
Gilfillan Shingle Co Kernville Ore
Gray Lbr & Shingle Co Seattle Wash
Robert Gray Shingle Co Hoquiam Wash
Hammond Cedar Co Ltd Hammond B C
Homalko Logging Co Ltd Vancouver B C
Horne Bros Shingle Co Ltd No Vancouver B C
Horton Cedar Mfg Co Ltd Victoria B C
Wm Hulbert Mill Co Everett Wash
Hunting-Merritt Shingle Co Ltd Vancouver B C
Jamison Lbr & Shingle Co Everett Wash
Thomas Kirkpatrick Estate Vancouver B C
Lake Pleasant Shingle Co Beaver Wash
Lake Stevens Shingle Co Granite Falls Wash
Leybold-Smith Shingle Co Tacoma Wash
Long Bell Lbr Co Longview Wash
Mackie Mill Co Markham Wash
Marona Mill Co Acme Wash
McCarter Shingle Co 2418 Rock Bay Av Victoria BC Canada
McMaster Lbr & Shingle Co Marysville Wash
Robt McNair Shingle Co Ltd Vancouver B C
Meeker Cedar Prod Ltd Mission City B C
Miller & Sons Bellingham Wash
Mt Pleasant Shingle Co Pt Angeles Wash
Newberg Shingle Co Lacomb Ore
Northwest Cedar Products Ltd Foot of Kerr Rd Vancouver B C
Pacific Timber Co Everett Wash
Peters Shingle Co Chehalis Wash
C S Phillips Shingle Co Concrete Wash
Phoenix Shingle Co Seattle Wash
Pioneer Shingle Co Anacortes Wash
Polson Lbr & Shingle Mills Hoquiam Wash
Port Dock Shingle Mill Kalama Wash
Quality Shingle Co Edmonds Wash
Rainier Mill Co Rainier Ore
Red Cedar Shingle Bureau 5508 White Bldg Seattle 1 Wash (13)
Riverside Shingle Mills Ltd New Westminster B C
Saginaw Timber Co Aberdeen Wash
Seattle Cedar Lbr Mfg Co Seattle Wash
George J Silbernagel 8 S Michigan Av Chgo 3 Ill (176)
Skalley-Setright Shingle Co Everett Wash
M R Smith Lumber & Shingle Co White Henry Stuart Bldg Seattle Wash
Stave Lake Cedar Ltd Dewdney B C
The Super Shingle Co 14th St Dock Everett Wash
Thurston-Flavelle Ltd Port Moody B C
Twin Harbors Lbr Co Aberdeen Wash (55)
Washington Shingle Co Anacortes Wash
Wayland Mill Co Seattle Wash
Weatherbest Corp North Tonawanda N Y
Willapa Shingle Co Raymond Wash
Woods Creek Shingle Co Sedro Woolley Wash

SHINGLES—redwood

Union Lumber Co 620 Market San Francisco Calif

SHUTTERS—window & door, wood

Anson & Gilkey Co Merrill Wis
Carr Adams & Collier Co Dubuque Ia (23)
Cole Mfg Co Memphis Tenn
Curtis Companies Inc Clinton Ia (12)
Farley & Loetscher Mfg Co Dubuque Ia
Gregg & Son Nashua N H
Huttig Mfg Co Muscatine Ia
Huttig Sash & Door Co St Louis Mo
Ideal Co Box 889 Waco Tex
Marquart Millwork Co Oshkosh Wis (219)
Morgan Co Oshkosh Wis
J R Quigley Co Gloucester City N J
Roach & Musser Co Muscatine Ia
George J Silbernagel 8 S Michigan Av Chgo 3 Ill (176)
West Coast Screen Co Los Angeles 1 Cal

Number in parenthesis indicates page on which advertisement appears

SIDING—asbestos cement

Barrett Div Allied Chemical & Dye Corp 40 Rector St NY NY (38)
Philip Carey Mfg Co Cincinnati 15 O
Flintkote Co 30 Rockefeller Plaza N Y NY (10)
Johns-Manville Corp 22 E 40th New York 16 N Y (62-63)
Keasbey & Mattison Co Ambler Pa
Lehon Co 4425 S Oakley Av Chgo Ill
Natl Mfg Corp Tonawanda N Y
B F Nelson Mfg Co Minneapolis Minn
The Ruberoid Co 500 Fifth Av NY 18 NY
Standard Asbestos Mfg Co 822 W Lake Chgo Ill
U S Gypsum Co 300 W Adams Chgo 6 Ill

SIDING—asphalt, brick pattern insulating

Barrett Div Allied Chemical & Dye Corp 40 Rector NY NY (38)
Bird & Son Inc East Walpole Mass
Philip Carey Mfg Co Lockland Cincinnati 15 Ohio
Celotex Corp 120 S LaSalle Chgo Ill (136)
Central Division Co 221 N LaSalle Chgo 1 Ill
The Flintkote Co 30 Rockefeller Plaza New York NY (10)
Ford Roofing Products Co 111 W Washington Chgo 2 Ill
Globe Roofing Products Co Inc Whiting Ind
Johns-Manville Corp 22 E 40th New York 16 NY (62-63)
Jones & Brown Inc Pittsburgh 22 Pa
B F Nelson Mfg Co Minneapolis 13 Minn
Plastergon Wallboard Co Buffalo 7 N Y
The Ruberoid Co 500 Fifth Av NY 18 NY
U S Gypsum Co 300 W Adams Chgo 6 Ill
Wheeling Corrugating Co Wheeling W Va (42)

SIDING—asphalt, laminated rigid

Certain-teed Products Corp 120 S LaSalle Chgo 3 Ill (60)
Globe Roofing Products Co Inc Whiting Ind
Johns-Manville Corp 22 E 40th New York 16 NY (62-63)
Ruberoid Co 500 5th Av New York 18 N Y

SIDING—asphalt, mineral surfaced

American Asphalt Roof Corp Kan City Mo
Barrett Div Allied Chemical & Dye Corp 40 Rector NY NY (38)
Bird & Son Inc East Walpole Mass
Philip Carey Mfg Co Lockland Cincinnati 15 Ohio
Celotex Corp 120 S LaSalle Chgo Ill (136)
Certain-teed Products Corp 120 S LaSalle Chgo 3 Ill (60)
Flintkote Co 30 Rockefeller Plaza NY NY (10)
Ford Roofing Products Co 111 W Washington Chgo 2 Ill
Globe Roofing Products Co Inc Whiting Ind
Johns-Manville Corp 22 E 40th New York 16 NY (62-63)
The Lehon Co 4425 S Oakley Chgo Ill
B F Nelson Mfg Co Minneapolis Minn
The Ruberoid Co 500 Fifth Av NY 18 NY
United States Gypsum Co 300 W Adams Chgo 6 Ill

SIDING—asphalt, roll brick pattern

American Asphalt Roof Corp Kansas City Mo
Barrett Div Allied Chemical & Dye Corp 40 Rector NY NY (38)
Bird & Son Inc East Walpole Mass
Philip Carey Mfg Co Lockland Cincinnati 15 Ohio
Central Division Co 221 N LaSalle Chgo 1 Ill
Certain-teed Products Corp 120 S LaSalle Chgo 3 Ill (60)
The Flintkote Co 30 Rockefeller Plaza New York N Y (10)
Ford Roofing Products Co 111 W Washington Chgo 2 Ill
Globe Roofing Products Co Inc Whiting Ind
Johns-Manville Corp 22 E 40th New York 16 NY (62-63)
The Lehon Co 4425 S Oakley Chgo Ill
B F Nelson Mfg Co Minneapolis Minn
The Ruberoid Co 500 Fifth Av NY 18 NY
The Texas Co 135 E 42nd New York 17 N Y (159)
U S Gypsum Co 300 W Adams Chgo 6 Ill

SIDING—asphalt, stone pattern insulated

Barrett Div Allied Chemical & Dye Corp 40 Rector NY NY (38)
Central Division Co 221 N LaSalle Chgo 1 Ill
Ford Roofing Products Co 111 W Washington Chgo 2 Ill
Globe Roofing Products Co Inc Whiting Ind
Jones & Brown Inc Pittsburgh Pa
B F Nelson Mfg Co Minneapolis Minn
The Ruberoid Co 500 Fifth Av NY 18 NY

SIDING—insulating shingle panels

Central Division Co 221 N LaSalle Chgo 1 Ill
Globe Roofing Products Co Inc Whiting Ind
Johns-Manville Corp 22 E 40th New York 16 NY (62-63)
B F Nelson Mfg Co Minneapolis Minn

SIDING—steel

American Rolling Mill Co Middletown O
American Steel & Wire Co Cleveland O (165)
Carnegie Ill Steel Corp Pittsburgh 30 Pa
Ceco Steel Products Corp 5701 W 26th Chgo 50 Ill
Columbia Steel Co Russ Bldg San Fran 6 Cal (165)
Continental Steel Corp Kokomo Ind
The Edwards Mfg Co 427-477 Culvert Cincinnati Ohio (160)
Houston Blow Pipe & Sheet Mtl Wks Houston Tex (20, 172)
Inland Steel Co 38 S Dearborn Chgo 3 Ill
James Mfg Co Ft Atkinson Wis
Klauer Mfg Co Dubuque Iowa
LaCrosse Steel Roofing & Corrugating Co La Crosse Wis
Milcor Steel Co 4101 W Burnham Milwaukee 4 Wis (161)
Reeves Steel & Mfg Co Dover Ohio
Republic Steel Corp Republic Bldg Cleveland 1 Ohio
St Paul Corrugating Co St Paul Minn
Tennessee Coal Iron & RR Co Birmingham 2 Ala (165)
Wheeling Corrugating Co Wheeling W Va (42)

SIDING CORNERS

American Asphalt Roof Corp Kansas City Mo
Barrett Div Allied Chemical & Dye Corp 40 Rector New York 6 N Y (38)
The Celotex Corp 120 S LaSalle Chgo 3 Ill (136)
Central Division Co 221 N LaSalle Chgo 1 Ill
The Donley Bros Co 13928 Miles Av Cleveland 5 Ohio (221)
Ford Roofing Products Co 111 W Washington Chgo 2 Ill
Globe Roofing Products Co Inc Whiting Ind
F D Kees Mfg Co Beatrice Neb
LaCrosse Steel Roofing & Corrugating Co LaCrosse Wis
Merwin Mfg Co Erie Pa
Mid-States Steel & Wire Co Crawfordsville Ind
B F Nelson Mfg Co Minneapolis 13 Minn
Northwest Metal Prod Inc Seattle 4 Wash
Penn Supply & Metal Corp Philadelphia 22 Pa
Republic Steel Corp Berger Mfg Div Canton 5 Ohio
The Ruberoid Co 500 Fifth Av NY 18 NY
St Paul Corrugating Co St Paul Minn
Sharon Hdwe Mfg Co Sharon Pa
Wheeling Corrugating Co Wheeling W Va (42)

SILOS

Acme Brick Co Ft Worth Texas
Angier Sales Corp Framingham Mass
Arrow Tank Co Inc Buffalo 14 N Y (wood)
Capitol Fence Co 735 N Water Milwaukee Wis
Craine Inc Norwich N Y
Economy Silo & Mfg Co Frederick Md
E S Gaynor Lbr Co Sioux City Iowa
Globe Silos Unadilla N Y
Harder Silo Co Inc Cobleskill N Y
Hubbard & Co 6301 Butler St Pittsburgh 1 Pa
Illinois Wire & Mfg Co Joliet Ill
Johnson & Carlson 848 W Eastman Chgo 22 Ill
M & M Wood Working Co Resnprest Div 2301 N Columbia Portland 3 Ore
Mattson Wire & Mfg Co Joliet Ill
Mott Lumber Co Red Creek N Y
Rowe Mfg Co Galesburg Ill
E F Schlichter Co Inc 16 S Broad Philadelphia 2 Pa
The Sisalkraft Co 205 W Wacker Dr Chgo 6 Ill (140-168)
Unadilla Silo Co Inc Unadilla N Y

SINKS—cabinet

Acme Metal Products Corp 1845 W 74th Chgo 36 Ill
American Central Mfg Corp Connersville Ind
Boro Wood Products Co Maspeth LI NY
Coppes Inc Nappanee Ind
Curtis Cos Inc Clinton Ia (12)
Edison Genl Elec Appliance Co Inc 5600 W Taylor Chgo Ill
Eljer Co Ford City Pa
Elgin Stove & Oven Div of Acme Visible Records Inc Elgin Ill
Elkay Mfg Co 4703 W Arthington Chgo Ill
Ellwood Co Ellwood City Pa
Excel Metal Cabinet Co Inc 101 Park Av NY NY
General Elec Co Bridgeport Conn
General Wood Works Council Bluffs Iowa
Gold Seal Mfg Co 1228 W Kinzie Chgo 22 Ill
Harrison Steel Cabinet Co 4718 W 5th Chgo Ill
Kitchen Maid Corp Andrews Ind
Lyon Metal Products Inc Aurora Ill
Modern Steel Equip Co Geneva Ill
Morgan Co Oshkosh Wis
Murphy Door Bed Co 30 N LaSalle Chgo 2 Ill
The Parsons Co Detroit 3 Mich
Republic Steel Corp Cleveland 1 Ohio
Rudiger-Lang Co Berkeley Calif
Frank C Snedaker & Co Inc Phil Pa
Tracy Mfg Co Pittsburgh Pa
United Metal Box Co 168—7th Brooklyn N Y
Westinghouse Elec & Mfg Co Pittsburgh Pa
Youngstown Pressed Steel Kitchens Youngstown O

SINKS—vitreous porcelain enameled

Abingdon Potteries Inc Abingdon Ill (vitreous china)
Briggs Mfg Co Detroit Mich
Crane Co 836 S Michigan Av Chgo Ill
Eljer Co Ford City Pa
Ellwood Co Ellwood City Pa
The Enamel Products Co Cleveland 8 Ohio
General Ceramics Co Metuchen N J
General Porcelain Enameling & Mfg Co 2700 N Karlov Av Chgo 39 Ill
Kohler Co Kohler Wis
Richmond Radiator Co 835 Fifth Av NY 17 NY
Standard Sanitary Mfg Co Pittsburgh Pa
Universal Sanitary Mfg Co New Castle Pa

SINKS—stainless steel

Acme Metal Products Corp 1845 W 74th Chgo 36 Ill
The Edwards Mfg Co Cincinnati 2 Ohio (160)
Elkay Mfg Co 4703 W Arthington Chgo Ill
Excel Metal Cabinet Co Jamestown NY
Houston Blow Pipe & Sheet Mtl Wks Houston Tex (20, 172)
Modern Steel Equip Co Geneva Ill
Republic Steel Corp Cleveland 1 Ohio
Richmond Engineering Co Inc Richmond Va
Tracy Mfg Co Pittsburgh Pa
United States Plywood Corp 55 W 44th New York 18 NY (49)
Zahner Mfg Co Kansas City Mo

SOFTENERS—putty

Fletcher Terry Co Forestville Conn (160)
Glaziers Tool Mfg Corp 611 W Adams Chgo Ill
Tamms Silica Co 228 N LaSalle Chgo 1 Ill

Number in parenthesis indicates page on which advertisement appears

SOLDERS—liquid

Lenk Mfg Co Newton Lower Falls Mass
So-Lo Wks Inc Loveland O

SOLDERS—paste

Wayne Chemical Products Co Detroit 17 Mich

SOOT DESTROYER

G N Coughlan Co 29 Spring West Orange N J
Forman Ford & Co Minneapolis 1 Minn
The Knack Co East Lake Road Ithaca N Y
The Pioneer Mfg Co Cleveland 4 Ohio
Saginaw Salt Products Co Saginaw 35 Mich
Tamms-Silica Co 228 N La Salle Chgo 1 Ill

SPONGES

American Sponge & Chamois Co Inc 47 Ann St NY NY
Albert Bloch & Sons Inc 36 Walker New York 13 NY
Atlantic Sponge & Chamois Corp 49 Walker New York 13 N Y
Joseph Bloch Inc 51 Cliff NY NY
E I DuPont de Nemours & Co Inc Wilmington 98 Del (cellulose) (177)
H L Ettman Sponge Co St Louis 3 Mo
Dan Malloy Co Philadelphia Pa
Florida Sponge & Chamois Co 42 Cliff New York 7 N Y
Gulf & West Indies Co 141 Water NY 5 NY
Industrial Chemical Laboratories Ltd Omaha 2 Neb
Nassau Sponge Co 124 W Kinzie Chgo 10 Ill
Robinson Sponge Co 1805 Atlantic Av Brooklyn N Y
Schreeder & Tremayne Inc 1711 Delmar Blvd St Louis 3 Mo
Tamms Silica Co 228 N LaSalle Chgo 1 Ill (rubber)

SPRAY—stock

Agkem Inc Quincy Ill
Barrett Div Allied Chem & Dye Corp 40 Rector St NY NY (38)
Carbola Chemical Co Natural Bridge N Y
Chemical Supply Co 225 Plymouth Bldg Cleveland 15 Ohio
Colorado Paint Co 3551 Blake Denver 5 Colo
Pennsylvania Salt Mfg Co Philadelphia Pa
Puritan Chemical Co Atlanta 3 Ga
Sherwin-Williams Co Cleveland O (39)
D B Smith & Co Inc Utica 2 NY (192)
Standard Oil Co of Ind 910 S Michigan Av Chgo Ill

SPRINGS—door

Accurate Spring Mfg Co 3811 W Lake Chgo Ill
American Steel & Wire Co Cleveland O (165)
Barnes Wallace Co Bristol Conn
Bommer Spring Hinge Co 263 Classon Av Brooklyn N Y
Champion Hdwe Co Geneva O
Chicago Spring Hinge Co 1500 Carroll Av Chgo Ill
Cleveland Lock Wks Div Consolidated Iron Steel Mfg Co 1283 E 53rd Cleveland 14 Ohio (202)
Cleveland Wire Spring Co 5250 Brookpark Road Cleveland 9 Ohio
P & F Corbin New Britain Conn (201)
Fiwale Equipment Mfg Co 165 Church NY 7 NY
Frantz Mfg Co Sterling Ill (144)
M D Hubbard Spring Co Pontiac Mich
Lawrence Bros Sterling Ill
Milwaukee Stamping Co Milwaukee 14 Wis (140)
Russell & Erwin Div The American Hardware Corp New Britain Conn (202)
Sargent & Co New Haven Conn
The Stanley Wks New Britain Conn (64)
Washburn Co Worcester Mass
Wickwire Spencer Steel A Div of The Colorado Fuel & Iron Corp 500 Fifth Av New York 18 N Y (66)

SQUARES—carpenters, steel, "T"

Brown & Sharpe Mfg Co Providence RI
Eugene Dietzgen Co 2425 N Sheffield Av Chgo Ill
Henry Disston & Sons Inc Tacony Philadelphia 35 Pa
Keuffel & Esser Co Hoboken N J
Lufkin Rule Co Saginaw Mich
Millers Falls Co Greenfield Mass
Frederick Post Co 155 E Ohio St Chgo Ill
Peck Stow & Wilcox Co Southington Conn
Sargent & Co New Haven Conn
Sheffield Steel Corp Kansas City Mo
Southington Hardware Mfg Co Southington Conn
Stanley Tools New Britain Conn (64)
L S Starrett Co Athol Mass
Union Tool Co Orange Mass
The Wellman Products Co Cleveland 3 Ohio

SQUARES—glass cutters'

Lufkin Rule Co Saginaw Mich

SQUEEGEES

De Hymel Mfg Co Ltd Pasadena Cal
W J Dennis Co 1732 N Kolmar Av Chgo Ill
A F Dormeyer Mfg Co 4316 N Kilpatrick Av Chgo Ill
Illinois Duster & Brush Co 1926 Webster Av Chgo 14 Ill
Florida Sponge & Chamois Co 42 Cliff New York 7 N Y
W E Kautenberg Co Freeport Ill
Mechanical Supplies Co 6702 Perry Av Chgo Ill

STACKERS—automatic lumber

American Mfg Co Inc 2119 Pacific Av Tacoma 2 Wash (234-236)
The Filer & Stowell Co Milwaukee 7 Wis
Hyster Co Portland 8 Ore
Moore Dry Kiln Co P O Box 4248 Jacksonville 1 Fla (227)
Silent Hoist & Crane Co 860 63rd Brooklyn NY (170)

STAIN—concrete

Baltimore Paint & Color Works Baltimore 23 Md
Blue River Talc Co Inc Henry Va
Samuel Cabot Inc 141 Milk St Boston 9 Mass (180)
Globe Paint Wks Inc 202-208 Market Williamsport 5 Pa
A C Horn Co 43-36 Tenth Long Island City N Y
Mineral Pigments Corp Muirkirk Md
J Lee Smith & Co Inc 19 Jacob NY NY
Ranetite Mfg Co Inc 1917 S Broadway St Louis Mo (212)
The Sullivan Co P O Box 2606 Memphis 2 Tenn (234)
Tamms-Silica Co 228 N La Salle Chgo 1 Ill
20th Century Paint & Varnish Co 30 Roebling Booklyn 11 N Y
C K Williams & Co Easton Pa

STAIN—shingle

American Marietta Co 43 E Ohio Chgo 11 Ill
American Stained Shingle Co Columbus 8 O
Barrett Div Allied Chem & Dye Corp 40 Rector St NY NY (38)
Boston Varnish Co Boston 49 Mass (33)
Breinig Brothers Inc 1st & Harrison Hoboken N J
Briggs Maroney Co Inc Everett 49 Mass
Samuel Cabot Inc 141 Milk St Boston 9 Mass (180)
Carbolineum Wood Preserving Co 528 W Highland Milwaukee 3 Wis
Creo-Dipt Co Inc North Tonawanda NY
Devoe & Raynolds Co Inc 787 First Av NY 17 NY (183)
Felton Sibley & Co Inc 136 N 4th Philadelphia 6 Pa
The Foy Paint Co Inc Cincinnati 12 Ohio
W P Fuller & Co 301 Mission San Fran 19 Cal
Glidden Co Cleveland Ohio
Lowe Bros Co Dayton O (30-31)
Robert McNair Shingle Co Ltd Vancouver B C Canada
The Martin-Senour Co 2520 S Quarry Chgo 8 Ill
Minnesota Linseed Oil Paint Co Minneapolis 15 Minn
Murphy Paint Div Interchemical Corp 224 McWhorter Newark 1 N J
O'Brien Varnish Co South Bend Ind (187)
The Paraffine Companies Inc 475 Brannan St San Francisco 19 Cal
Peaslee-Gaulbert Paint & Varnish Co Louisville Ky
Pittsburgh Plate Glass Co 2000 Grant Bldg Pittsburgh 19 Pa (43)
Pratt & Lambert Inc 75 Tonawanda Buffalo 7 NY
Republic Creosoting Co Indianapolis 4 Ind
Sherwin-Williams Co Cleveland O (39)
Steelcote Mfg Co 3418 Gratiot St Louis 3 Mo (156)
The Sullivan Co Memphis 2 Tenn (234)
Valentine & Co Inc 11 E 36th NY 16 NY
Vita-Var Corp Newark NJ (350)
Wadsworth Howland & Co 141 Federal Boston Mass
Weatherbest Corp North Tonawanda N Y
Wood Preserver Co St Louis Mo
Wood Treating Chemicals Co St Louis Mo

STAIN—wood

American Marietta Co 43 E Ohio Chgo 11 Ill
Breinig Brothers Inc 1st & Harrison Hoboken N J
Briggs Maroney Co Inc Everett 49 Mass
Samuel Cabot Inc 141 Milk St Boston 9 Mass (180)
Carbolineum Wood Preserving Co 528 W Highland Milwaukee 3 Wis
Creo-Dipt Co Inc North Tonawanda NY
E I duPont de Nemours & Co Inc Wilmington 98 Del (177)
W P Fuller & Co 301 Mission San Fran 19 Cal
Glidden Co Cleveland O
Jewel Paint & Varnish Co 345 N Western Av Chgo Ill
Lowe Bros Dayton O (30-31)
The Martin-Senour Co 2520 S Quarry Chgo 8 Ill
Minwax Co Inc 11 W 42nd NY NY
Benjamin Moore & Co 511 Canal NY 13 NY
Murphy Paint Div Interchemical Corp 224 McWhorter Newark 1 N J
O'Brien Varnish Co South Bend Ind (187)
The Paraffine Companies Inc 475 Brannan St San Francisco 19 Cal
Peaslee-Gaulbert Paint & Varnish Co Louisville Ky
Pittsburgh Plate Glass Co 2000 Grant Bldg Pittsburgh 19 Pa (43)
Pratt & Lambert Inc 75 Tonawanda Buffalo 7 NY
Republic Creosoting Co Indianapolis 4 Ind
Sherwin-Williams Co Cleveland O (39)
Steelcote Mfg Co 3418 Gratiot St Louis 3 Mo (156)
The Sullivan Co P O Box 2606 Memphis 2 Tenn (234)
Tennessee Eastman Corp Kingsport Tenn
Valentine & Co Inc 11 E 36 NY 16 NY
Vita-Var Corp Newark NJ (350)
Wadsworth Howland & Co 141 Federal Boston Mass
Weatherbest Corp North Tonawanda N Y
Wood Treating Chemicals Co St Louis Mo

STAINED SHINGLES

American Stained Shingle Co Columbus 8 Ohio
Colonial Cedar Co 3510 6th Av W Seattle
Creo-Dipt Co Inc North Tonawanda NY
George J Silbernagel 8 S Michigan Av Chgo 3 Ill (176)
Weatherbest Corp North Tonawanda N Y
Weyerhaeuser Sales Co St Paul Minn

STAIRS—disappearing

Bessler Disappearing Stairway Co Akron O
Cole Mfg Co P O Box 2657 Memphis 2 Tenn
Farley & Loetscher Mfg Co Dubuque Ia
Frazier Inc Pittsburgh Pa
The Marschke Co 551 University Av St Paul 3 Minn

STAIRWAYS—steel

J W Fiske Iron Works 78 Park Place New York 7 N Y
Harrison Steel Cabinet Co 4718 W 5th Chgo Ill
Houston Blow Pipe & Sheet Mtl Wks Houston Tex (20, 172)
Kelly Steel Works Inc 5767 W 65th Chgo 38 Ill
Logan Co Inc Louisville 6 Ky
Michel & Pfeffer Iron Wks Inc 1415 Harrison San Fran 8 Cal

Number in parenthesis indicates page on which advertisement appears

Republic Steel Corp Cleveland 1 Ohio
St Paul Foundry & Mfg Co St Paul 3 Minn
Southern Wire & Iron Wks 441 Memorial Dr S E Atlanta Ga

STAIRWORK—wood

Carr Adams & Collier Co Dubuque Iowa (23)
Corbett Cabinet Mfg Co St Marys Pa
Farley & Loetscher Mfg Co Dubuque Iowa
M & M Woodworking Co Portland Ore
Morgan Co Oshkosh Wis
Radford & Sanders Inc Baltimore Md
The Radford Co Oshkosh Wis
Segelke & Kohlhaus Co La Crosse Wis
Frank C Snedaker & Co Inc Philadelphia 3 Pa
Weyerhaeuser Sales Co St Paul Minn

STAPLERS

Acme Staple Co Camden N J
Bostitch Inc East Greenwich R I
Brower Mfg Co Quincy Ill
Fastener Corp 860 Fletcher Chgo 14 Ill
Markwell Mfg Co Inc 200 Hudson NY 13 NY
Saranac Machine Co Benton Harbor Mich
Star Paper Fastener Co Norwalk Conn (162)

STAPLES—wire

Acme Staple Co Camden N J
American Steel & Wire Co Cleveland O (165)
Atlantic Steel Co Atlanta Ga
Atlas Tack Corp Fairhaven Mass
Bethlehem Steel Co Bethlehem Pa
Bostitch Inc East Greenwich R I
Brower Mfg Co Quincy Ill
Colorado Fuel & Iron Corp Denver Colo (66)
Columbia Steel Co Russ Bldg San Fran 6 Cal (165)
Continental Steel Corp Kokomo Ind
Copperweld Steel Co Glasport Pa
Eagle Electric Mfg Co Inc 23-10 Bridge Plaza S Long Island City 1 N Y
Fastener Corp 860 Fletcher Chgo 14 Ill
Frantz Mfg Co Sterling Ill (144)
Hubbard & Co 6301 Butler St Pittsburgh 1 Pa
Independent Nail & Packing Co Bridgewater Mass
Jones & Laughlin Steel Corp Pittsburgh Pa
Keystone Steel & Wire Co Peoria Ill
Markwell Mfg Co Inc 200 Hudson NY NY
Mid-States Steel & Wire Co Crawfordsville Ind
Natl Screw & Mfg Co Cleveland O
Northwestern Steel & Wire Co Sterling Ill
Pittsburgh Steel Co Pittsburgh Pa
Republic Steel Corp Cleveland 1 Ohio
Sargent & Co New Haven Conn
Sheffield Steel Corp Kansas City Mo
Shelton Tack Co 103 Canal Shelton Conn
E H Titchener & Co Binghamton N Y
Wheeling Corrugating Co Wheeling W Va (42)
Wickwire Spencer Steel A Div of The Colorado Fuel & Iron Corp 500 Fifth Av New York 18 N Y (66)
Youngstown Steel Prods Co Youngstown O

STEEL FRAMING

Great Lakes Steel Corp Stran Steel Div Detroit 26 Mich (157)

STEEL WOOL

American Steel Wool Mfg Co Inc 4224 Orchard Long Island City NY
Brillo Mfg Co 60 John St Brooklyn N Y Chgo Ill
Eagle Steel Wool Co 6201 W 65 Chgo Ill
International Steel Wool Corp Springfield Ohio
James H Rhodes & Co 157 W Hubbard St Chgo Ill
Williams Co London O

STOKERS—coal, automatic

American Engineering Co Philadelphia 25 Pa (underfeed spreader)
Brownell Co Dayton 1 O
Combustion Engineering Co Inc 200 Madison Av New York 16 N Y
Excelsior Stove & Mfg Co Quincy Ill
Fairbanks Morse & Co 600 S Michigan Av Chgo Ill (29)
Iron Fireman Co 3170 W 106 Cleveland 11 Ohio
Kol-Master Corp Oregon Ill
U S Machine Corp Lebanon Ind
Westinghouse Elec & Mfg Co 306 Fourth Av Pittsburgh 30 Pa

STOPS—door

Barrows Lock Wks Div of The Yale & Towne Mfg Co No Chgo Ill
Bommer Spring Hinge Co 263 Classon Av Brooklyn 5 N Y
Champion Hdwe Co Geneva O
P & F Corbin New Britain Conn (201)
Farley & Loetscher Mfg Co Dubuque Iowa
Frantz Mfg Co Sterling Ill (144)
H S Getty & Co Inc Philadelphia Pa
Lockwood Hdwe Mfg Co Fitchburg Mass (163)
S Parker Hardware Mfg Co 27 Ludlow New York 2 N Y
Penn Hdwe Co Reading Pa.
Phoenix Hdwe Mfg Co Buffalo N Y
Reading Hdw Corp Reading Pa
Reflector Hdwe Corp Western Av & 22nd Pl Chgo Ill
Richards-Wilcox Mfg Co Aurora Ill
Safe Padlock & Hdwe Co Lancaster Pa
Sager Lock Wks of Yale & Towne Mfg Co No Chgo Ill
Sargent & Co New Haven Conn
Sharon Hdwe Mfg Co Sharon Pa
Shelby Metal Products Co Shelby O
Shelby Spring Hinge Co Shelby O
Starline Inc Harvard Ill
Yale & Towne Mfg Co Stamford Conn

STORE FRONTS

Brasco Mfg Co Harvey Ill
General Porcelain Enameling & Mfg Co 2700 N Karlov Av Chgo 39 Ill
The Kawneer Co Niles Mich
Newman Bros Inc 660 W 4th Cincinnati 3 Ohio
S Parker Hardware Mfg Co 27 Ludlow New York 2 N Y
Pittsburgh Plate Glass Co 2000 Grant Bldg Pittsburgh 19 Pa (17)

STOVES—brooder

Buckeye Incubator Co Springfield O
Excelsior Stove & Mfg Co Quincy Ill
Harder Silo Co Cobleskill N Y
H D Hudson Mfg Co 589 E Illinois Chgo 11 Ill
James Mfg Co Ft Atkinson Wis
Lyon Rural Electric Co San Diego 12 Cal
Queen Stove Wks Inc Albert Lea Minn
Simplex Brooder Stove Co Grand Rapids Mich

STOVES—camp, gasoline, pressure

American Gas Mach Co Inc Albert Lea Minn
The Coleman Co Inc Wichita 1 Kan
Excelsior Stove & Mfg Co Quincy Ill
Hamlin Metal Prod Co Inc Akron O
Majestic Mfg Co St Louis Mo
Prentiss Waber Prod Co Wisconsin Rapids Wis
Quad Stove Mfg Co Columbus O
Sandvik Saw & Tool Corp 47 Warren New York 7 N Y (kerosene)
Turner Brass Wks Sycamore Ill
Union Steel Prod Co Albion Mich

STOVES—oil

Excelsior Stove & Mfg Co Quincy Ill
Florence Stove Co Gardner Mass
A J Lindemann & Hoverson Co 601 W Cleveland Av Milwaukee 7 Wis
Prentiss Wabers Products Co Wisconsin Rapids Wis

STRAIGHT EDGES

Advance Equipment Mfg Co 4617 W Chgo Ave Chicago Ill
E C Atkins & Co Indianapolis 9 Ind
Brown & Sharpe Mfg Co Providence R I
Henry Disston & Sons Inc Tacony Philadelphia 35 Pa
Hanchett Mfg Co Big Rapids Mich
Keuffel & Esser Co Hoboken N J
Peck Stow & Wilcox Co Southington Conn
Ridgely Trimmer Co Springfield O
Simonds Saw & Steel Co Fitchburg Mass (52)
L S Starrett Co Athol Mass
Warner Mfg Co 801 16th Av SE Minneapolis 14 Minn

STRAINER—down pipe

Brown & Sharpe Mfg Co 235 Promenade St Providence 1 R I
Reeves Steel & Mfg Co Dover Ohio
Republic Steel Corp Berger Mfg Div Canton 5 Ohio
St Paul Corrugating Co St Paul Minn
U S Cistern Filter Mfg Co Bloomington Ill

STRAP APPLYING EQUIPMENT

Acme Steel Co 2840 S Archer Chgo 8 Ill
Brainard Steel Corp Warren Ohio
Gerrard Steel Strapping Co 2915 W 47th Chgo Ill
Signode Steel Strapping Co 2635 N Western Av Chgo Ill

STRAPPING—steel

Acme Steel Co 2840 S Archer Chgo 8 Ill
Brainard Steel Corp Warren Ohio
Gerrard Steel Strapping Co 2915 W 47th Chgo 32 Ill
The Paine Co 2951 Carroll Av Chgo 12 Ill
John A Roebling's Sons Co Trenton N J
Signode Steel Strapping Co 2635 N Western Av Chgo Ill
The Stanley Wks New Britain Conn (64)

STUCCO

E D Coddington Mfg Co Milwaukee 9 Wis
Louisville Cement Co Inc 315 Guthrie Louisville 2 Ky
Ohio Hydrate & Supply Co Woodville O
Tamms-Silica Co 228 N La Salle Chgo 1 Ill
U S Gypsum Co 300 W Adams Chgo Ill
Woodville Lime Prod Co Toledo O

STUMP PULLERS—tractor & horse drawn

Dorsey Bros Elba Ala (53)

SUNDIALS—cast bronze

Adams Co Dubuque Ia
Colonial Brass Co Middleboro Mass
Erco Mfg Co 4010 W Montrose Av Chgo Ill
J W Fiske Iron Works 78 Park Place New York 7 N Y
Michel & Pfeffer Iron Wks Inc 1415 Harrison San Fran 3 Cal
Turner Brass Wks Sycamore Ill

SUPPORTS—adjustable floor

Industrial & Home Products Inc Akron Ohio

SURVEYS—logging, land

C V Clarke Jackson Miss
Thomas F Grayson Prescott 5 Ark
The James Lacey Company 231 S La Salle St Chgo 4 Ill
Lemieux Bros Inc New Orleans 12 La
H M Spain & Co Commerce Title Bldg Memphis Tenn

SURVEYS—timber growth

C V Clarke Jackson Miss
Thomas F Grayson Prescott 5 Ark
The James Lacey Company 231 S La Salle St Chgo 4 Ill
Lemieux Bros Inc New Orleans 12 La
H M Spain & Co Commerce Title Bldg Memphis Tenn

SWINGTABLES—lumber

Moore Dry Kiln Co P O Box 4248 Jacksonville 1 Fla (227)
Standard Dry Kiln Co P O Box 541 Indianapolis Ind

TABLE TOPS—drafting

American Plywood Corp New London Wis
Eugene Dietzgen 2425 N Sheffield Chgo Ill
Keuffel & Esser Co Hoboken N J
Frederick Post Co 155 E Ohio Chgo Ill
H E Smith Co Adrian Mich

TABLE TOPS—porcelain enameled

American Plywood Corp New London Wis
Barclay Mfg Co 385 Gerard Av Bronx NY
Enamel Prod Co Cleveland O
General Porcelain Enameling & Mfg Co 2700 N Karlov Av Chgo 39 Ill
Tennessee Enamel Mfg Co Nashville Tenn
Vitreous Steel Prod Co Cleveland O

Number in parenthesis indicates page on which advertisement appears

TABLES—card

Adirondack Chair Co 1140 Broadway NY NY
Alexander Bros Philadelphia Pa Ala
Bridge Tables & Novelties Inc Lowell Mass
Gold Medal Folding Furn Co Racine Wis
Harrison Steel Cabinet Co 4718 W 5th Chgo Ill
Louis Rastetter & Sons Ft Wayne Ind
Readsboro Chair Co Readsboro Vt

TABLES—display

Brewer-Titchener Corp Cortland N Y
W C Heller & Co 539 N Clark St Montpelier Ohio
Lyon Metal Prod Inc Aurora Ill
General Wood Works Council Bluffs Iowa
Grand Rapids Store Equipment Co Grand Rapids 2 Mich
Reflector Hdwe Corp Western Av & 22nd Pl Chgo Ill
Republic Steel Corp Berger Mfg Div Canton 5 Ohio
J D Warren Mfg Co Montpelier O

TABLES—kitchen

Austell Cabinet Co Austell Ga
Gold Seal Mfg Co 1228 W Kinzie Chgo 22 Ill
General Wood Works Council Bluffs Iowa
Ingram - Richardson Mfg Co Beaver Falls Pa
I-X-L Furniture Co Inc Goshen Ind
Mutschler Bros Co Nappanee Ind
G I Sellers & Sons Elwood Ind

TACKERS—automatic

Acme Staple Co Camden N J
Bostitch Inc East Greenwich R I
Fastener Corp 860 Fletcher Chgo 14 Ill
Fiwale Equipment Mfg Co 165 Church New York 7 N Y
A L Hansen Mfg Co 5037 N Ravenswood Chgo Ill
Markwell Mfg Co Inc 200 Hudson NY 13 NY
Star Paper Fastener Co Norwalk Conn (162)

TACKERS—hammer

Bostitch Inc East Greenwich R I
Fairmont Tool & Forging Co 10611 Quincy Av Cleveland Ohio
Fastener Corp 860 Fletcher Chgo 14 Ill
C S Osborne & Co Harrison N J
The Stanley Wks New Britain Conn (64)

TACKS

American Steel & Wire Co Cleveland O (165)
Chase Brass & Copper Co Waterbury Conn
Clendenin Bros Baltimore Md
Columbia Steel Co Russ Bldg San Fran 6 Cal (165)
W W Cross & Co Inc East Jaffrey N H
L F Grammes & Sons Inc 396 Union Allentown Pa
Hampden Mfg Co Inc Plainfield N J
Hillwood Mfg Co Cleveland O
Holland Mfg Co Baltimore Md
National Screw & Mfg Co Cleveland O
Shelton Tack Co 103 Canal Shelton Conn
Snell-Jones Tack Corp Brockton Mass
Tennessee Coal Iron & R R Co Birmingham 2 Ala (165)

TACKS—thumb

Atlas Tack Corp Fairhaven Mass
Brewer-Titchener Corp Cortland N Y
Hampden Mfg Co Plainfield N J
Hillwood Mfg Co Cleveland O
Holland Mfg Co Baltimore Md
Robt E Miller Inc 35 Pearl NY NY
Moore Push-Pin Co Phil Pa
Turner & Seymour Mfg Co Torrington Conn
Waterbury Tack Co Inc 200 5 Av NY NY

TANKS—septic, clay

Cannelton Sewer Pipe Co Cannelton Ind
S R Dee Bloomingdale Ind
Denver Sewer Pipe & Clay Co Denver 1 Colo
W S Dickey Clay Mfg Co Kan City Mo
Gladding-McBean & Co San Francisco Cal
Laclede-Christy Clay Products Co St Louis Mo
Lehigh Sewer Pipe & Tile Co Ft Dodge Ia
Owensboro Sewer Pipe Co Inc Owensboro Ky
Robinson Clay Prod Co Akron O
Sealcon Products Inc 927 Second Av S Minneapolis 2 Minn
Streator Drain Tile Co Streator Ill
What Cheer Clay Products Co What Cheer Iowa

TANKS—septic, concrete

Graystone Concrete Prod Co 134 Nickerson St Seattle 9 Wash

TANKS—septic, steel

American Steel Works Kansas City 8 Mo
Beall Pipe & Tank Corp Portland Ore
W E Caldwell Co Louisville 8 Ky
Dempster Mill Mfg Co Beatrice Neb
The Donley Bros Co 13928 Miles Av Cleveland 5 Ohio (221)
Ingalls Iron Wks Co Birmingham Ala
Richmond Engineering Co Richmond Va
Stover Steel Tank & Mfg Co Freeport Ill

TANKS—septic, wood

Arrow Tank Co Inc Buffalo 14 N Y
W E Caldwell Co Louisville 8 Ky
California Redwood Distributors Ltd 35 E Wacker Dr Chgo Ill
Fleishel Lbr Co 4235 Duncan Av St Louis 10 Mo (148)
Johnson & Carlson 848 W Eastman Chgo Ill
Mutual Fir Column Co Tacoma Wash
Pacific Lbr Co San Francisco Cal
Pacific Wood Tank Corp San Francisco 5 Calif
U S-Challenge Co Batavia Ill
Uniflow Mfg Co Erie Pa
Weyerhaeuser Sales Co St Paul Minn

TANKS—steel stock & storage

American Steel Works Kansas City 8 Mo
Beall Pipe & Tank Corp Portland Ore
W E Caldwell Co Louisville 8 Ky
Connecticut Blower Co P O Box 884 Hartford 1 Conn
Dempster Mill Mfg Co Beatrice Neb
Economy Silo & Mfg Co Frederick Md
The Edwards Mfg Co 427-477 Culvert Cincinnati Ohio (161)
Farwell Ozmun Kirk & Co St Paul 1 Minn
Flint & Walling Mfg Co Kendallville Ind
Gedge Bros Steel Roofing Co Anderson Ind
Houston Blow Pipe & Sht Met Wks Houston Tex (20, 172)
H D Hudson Mfg Co 589 E Illinois Chgo Ill
Inter-State Oil Co Kansas City 3 Kan
Kewanee Boiler Corp Kewanee Ill
Kirk & Blum Mfg Co Cincinnati Ohio
Midwest Steel Prod Co Kan City Mo
R Munroe & Sons Mfg Corp Pittsburgh 22 Pa
Oakes Mfg Co Tipton Ind
Richmond Engineering Co Inc Richmond Va
Stover Steel Tank & Mfg Co Freeport Ill
U S-Challenge Co Batavia Ill

TANKS—wood stock & storage

Arrow Tank Co Inc Buffalo 14 N Y
Atlantic Tank Corp Bergen N J
Atlas Tank Mfg Co San Francisco Cal
Baltimore Cooperage Tank & Tower Co Baltimore Md
Breyer Bros Whiting & Co Waupun Wis
Butler Mfg Co Kan City Mo
W E Caldwell Co Inc Louisville Ky
California Redwood Distributors Ltd 35 E Wacker Dr Chgo Ill
Dempster Mill Mfg Co Beatrice Neb
Economy Silo & Mfg Co Frederick Md
Fleishel Lbr Co 4235 Duncan Av St Louis 10 Mo (148)
Flint & Walling Mfg Co Kendallville Ind
James Mfg Co Ft Atkinson Wis
Johnson & Carlson 848 W Eastman Chgo 22 Ill
M & M Wood Working Co Resnprest Div 2301 N Columbia Portland 3 Ore
New England Tank & Tower Co Everett Mass
Pacific Wood Tank Corp San Francisco 5 Calif
E F Schlichter Co Inc 16 S Broad Philadelphia 2 Pa
U S-Challenge Co Batavia Ill
Union Lumber Co San Francisco Cal

TAPE—friction

Continental Rubber Wks Co Erie Pa
Firestone Tire & Rubber Co Akron O (4)
General Elec Co Bridgeport Conn
Goodyear Tire & Rubber Akron O
Johns-Manville Corp 22 E 40th NY 16 NY (62-63)
The B F Goodrich Co Akron Ohio
Okonite Co Passaic N J
The Paraffine Companies Inc 475 Brannan St San Francisco 19 Cal
Passaic Rubber Co Clifton N J
Plymouth Rubber Co Inc Canton Mass
The Ruberoid Co 500 Fifth Av NY 18 NY
Sullivan & Sons Mfg Co Phil Pa
Superior Insulating Tape Co St Louis Mo
Union Rubber & Asbestos Co Trenton N J
United States Rubber Co 1230 6th Av New York 20 N Y
Van Cleef Bros 7800 Woodlawn Av Chgo Ill

TAPE—gummed

Atlantic Gummed Paper Corp 1 Main Brooklyn 1 N Y
Economy Novelty & Printing Co 325 W 39th NY NY
J E Fricke Co Phil Pa
Gummed Prod Co Troy O
Nashua Gummed & Coated Paper Co Nashua N H
Wortendyke Mfg Co Richmond Va

TAPES—measuring

Chicago Steel Tape Co 7956 S Chgo Av Chgo 17 Ill
Eugene Dietzgen Co 2425 N Sheffield Chgo Ill
John H Graham & Co Inc 105 Duane New York 8 N Y
Keuffel & Esser Co Hoboken N J
Lufkin Rule Co Saginaw Mich
Master Rule Mfg Co 817 E 136 NY NY
L S Starrett Co Athol Mass
Waterbury Lock & Specialty Co Milford Conn

TARPAULINS

Bemis Bro Bag Co St Louis 2 Mo
Canvas Products Co 1240 So 7th St St Louis 4 Mo
Clifton Mfg Co Waco Texas
Couch Bros Mfg Co East Point Ga
C R Daniels Inc 44 West NY NY
Fulton Bag & Cotton Mills Atlanta 1 Ga (174)
The B F Goodrich Co Akron Ohio
Hettrick Mfg Co Toledo 1 Ohio
J W Johnson Co 1237 N Honore Chgo Ill
Newark Ladder & Bracket Sales Co Inc 657 S 13th Newark 3 NJ
New York Drop Cloth Mfg Co Inc Borden Av & 21 Long Island City N Y
Smith-Hunzinger Co 431 N Wells Chgo 10 Ill
Standard Awning Co Hartford Conn
Wm W Stanley Co Inc 401 Broadway NY NY
Tucker Duck & Rubber Co Ft Smith Ark
U S Tent & Awning Co 2315 W Huron Chgo Ill
H Wenzel Tent & Duck Co St Louis Mo
Werner Canvas Prod Co 607 Bergen Brooklyn N Y

TERMITE CONTROL

Abesto Mfg Corp Michigan City Ind (233)
American Lbr & Treating Co Chgo Ill (142)
E L Bruce Co Memphis Tenn
Carbolineum Wood Preserving Co 528 W Highland Milwaukee 3 Wis
A D Chapman & Co Inc 333 N Michigan Av Chgo 1 Ill (48)
Cre-o-Tox Chemical Co Memphis Tenn (237)
E I DuPont de Nemours & Co Inc Wilmington Del (177)
Ira Parker & Sons Co Oshkosh Wis (198)
The Paraffine Companies Inc 475 Brannan St San Francisco 19 Cal
Phelan-Faust Paint Mfg Co St Louis 11 Mo
Protection Products Mfg Co Kalamazoo Mich
Protexol Corp Kenilworth N J (228)

Number in parenthesis indicates page on which advertisement appears

Reilly Tar & Chemical Corp Indianapolis 4 Ind
Republic Creosoting Co Indianapolis 4 Ind
The Sullivan Co P O Box 2606 Memphis 2 Tenn (234)
Tennessee Eastman Corp Kingsport Tenn
Timber Engineering Co 1319 Eighteenth N W Washington 6 D C
Wood Preserving Co St Louis Mo
Wood Treating Chemicals Co St Louis Mo
Zinsser & Co Inc Hastings-on-Hudson N Y

TERNE PLATES

American Rolling Mill Co Middletown O
Bethlehem Steel Co Bethlehem Pa
Carnegie Ill Steel Corp Pittsburgh Pa
The Edwards Mfg Co 427-477 Culvert Cincinnati Ohio (160)
Inland Steel Co 38 S Dearborn Chgo 3 Ill
McKeesport Tin Plate Corp McKeesport Pa
Northwest Metal Prod Inc Seattle 4 Wash
Republic Steel Corp Cleveland O
Tennessee Coal Iron & RR Co Birmingham Ala (165)
Wheeling Corrugating Co Wheeling W Va (42)
Wheeling Steel Corp Wheeling W Va
Youngstown Sheet & Tube Youngstown O

THINNER—paint

Acme White Lead & Color Wks 8250 St Aubin Av Detroit 11 Mich
American Marietta Co 43 E Ohio Chgo 11 Ill
The Alcatraz Co Inc Richmond 20 Va
Atlantic Varnish & Paint Co Inc P O Box 474 Richmond Va
Briggs Maroney Co Inc Everett 49 Mass
Calbar Paint & Varnish Co 2612 N Martha Phil 25 Pa
Chi-Namel Paint & Varnish Co Minneapolis Minn
Devoe & Raynolds Co Inc 787 1st Av NY 17 NY (183)
Glidden Co Cleveland O
A C Horn Co 43-36 Tenth Long Island City N Y
Inter-State Oil Co Kansas City 3 Kan
W W Lawrence & Co 1124 W Carson Pittsburgh 19 Pa
Lowe Bros Co Dayton O (30-31)
The Neville Co Neville Island Pittsburgh 25 Pa
Peaslee-Gaulbert Paint & Varnish Co Louisville Ky
Pittsburgh Plate Glass Co Pittsburgh Pa (43)
Pratt & Lambert Inc 75 Tonawanda Buffalo 7 NY
Seidlitz Paint & Varnish Co Kansas City 10 Mo
L Sonneborn Sons Inc 88 Lexington Av NY 16 NY
Steelcote Mfg Co 3418 Gratiot St Louis 3 Mo (156)
The Sullivan Co P O Box 2606 Memphis 2 Tenn (234)
20th Century Paint & Varnish Co 30 Roebling Brooklyn 11 N Y
Wadsworth Howland & Co 141 Federal Boston Mass
The Wilbur & Williams Co Boston 16 Mass

THRESHOLDS—metal

Adams Co Dubuque Ia
Allmetal Weatherstrip Co 229 W Ohio Chgo Ill
American Brass Co Waterbury Conn
American Mason Safety Tread Co Lowell Mass
Chase Brass & Copper Co Waterbury Conn
P & F Corbin Co New Britain Conn (201)
W J Dennis & Co 1732 N Kolmar Chgo Ill
The Donley Bros Co 13928 Miles Av Cleveland 5 Ohio (221)
H S Getty & Co Inc Phil Pa
Kawneer Co Niles Mich
Logan Co Louisville Ky
Macklanburg - Duncan Co Oklahoma City Okla
Majestic Co Huntington Ind
Michel & Pfeffer Iron Wks Inc 1415 Harrison San Fran 3 Cal
S Parker Hardware Mfg Co 27 Ludlow New York 2 N Y
Protex Weatherstrip Mfg Co 4500 S Western Chgo Ill
Revere Copper & Brass Co 2200 N Natchez Chgo Ill
Oscar Rixson Co 4450 W Carroll Chgo Ill
Safe Tread Co Inc 30 Vesey NY 7 NY
Samson Products Co 4238 N Leavitt Av Chgo 18 Ill
The Security Co Detroit 3 Mich (138)
Southern Wire & Iron Wks 441 Memorial Dr S E Atlanta Ga
Turner Brass Wks Sycamore Ill
R D Werner Co Inc 295 Fifth Av New York 16 N Y (8)
Wooster Prod Inc Wooster O
Youngstown Manufacturing Inc 66 S Prospect Youngstown 6 Ohio (65)

THRESHOLDS—wood

SEE LUMBER CLASSIFICATION BEGINNING PAGE 306

TIES—bale

Acme Steel Co 2838 Archer Chgo Ill
American Steel & Wire Co Cleveland O (165)
Bethlehem Steel Co Bethlehem Pa
Columbia Steel Co Russ Bld San Fran 6 Cal (165)
Continental Steel Corp Kokomo Ind
Keystone Steel & Wire Co Peoria Ill
Mid-States Steel & Wire Co Crawfordsville Ind
Northwestern Steel & Wire Co Sterling Ill
Republic Steel Corp Cleveland 1 Ohio
Sheffield Steel Corp Kansas City Mo
Shelby Wire Co Shelby O
The Stanley Wks New Britain Conn (64)
Tennessee Coal Iron & RR Co Birmingham Ala (165)
Wheeling Corrugating Co Wheeling W Va (42)
Wickwire Bros Cortland N Y (158)

TIES—concrete form

Bugenhagan Mfg Co Minneapolis Minn
Jeschke Wire & Specialty Co Crawfordsville Ind
M & M Wire Clamp Co 983-17th Av S E Minneapolis 14 Minn
Richmond Screw Anchor Co Inc 816 Liberty Brooklyn 8 N Y
Star Expansion Products Co Inc 147 Cedar New York 6 N Y
Universal Form Clamp Co 1238 N Kostner Chgo Ill
Williams Form Engineering Corp Grand Rapids Mich
Williams Wallace Co San Francisco Cal

TIES—wall

Adams Co Dubuque Ia
Alabama Metal Lath Co Birmingham 1 Ala
American Sheet Metal Wks New Orleans La
Beatrice Steel Tank Mfg Co Beatrice Neb
Chase Brass & Copper Co Waterbury Conn
Consolidated Expanded Metal Co Wheeling W Va
Copperweld Steel Co Glassport Pa
The Donley Bros Co 13928 Miles Av Cleveland 5 Ohio (221)
Jeschke Wire & Specialty Co Crawfordsville Ind
F D Kees Mfg Co Beatrice Neb
Kewanee Mfg Co Kewanee Ill
Klauer Mfg Co Dubuque Ia
LaCrosse Steel Roofing & Corrugating Co LaCrosse Wis
Merwin Mfg Co Erie Pa
Milcor Steel Co 4101 W Burnham Milwaukee 4 Wis (161)
Natl Gypsum Co Buffalo N Y (40-41)
New Orleans Roofing & Metal Co New Orleans La
Northwest Metal Prod Inc Seattle 4 Wash
J B Prescott & Son Webster Mass
Reeves Steel & Mfg Co Dover Ohio
Republic Steel Corp Berger Mfg Div Canton 5 Ohio
Sealcon Products Inc Minneapolis 2 Minn
Southwest Hdwe Mfg Co Ft Smith Ark
Union Steel Prod Co Albion Mich
Wheeling Corrugating Co Wheeling W Va (42)

TILE—board

Barclay Mfg Co 385 Gerard Av Bronx NY
Celotex Corp 120 S LaSalle Chgo Ill (136)
Duratile Corp Mishawaka Ind (metal)
Fir-Tex Porter Bldg Portland 4 Ore
Gibbs Boardtile Corp 615 N Aberdeen Chgo Ill (220)
Insulite Minneapolis 2 Minn (185)
Johns-Manville Corp 22 E 40th NY 16 NY (62-63)
Marsh Wall Prod Inc Dover O (24)
Natl Gypsum Co Buffalo N Y (40-41)
National Tileboard Co 1314 Blondel Av Bronx 61 N Y
Plastergon Wallboard Co 196 Philadelphia Av Buffalo 7 NY
Prestile Mfg Co 2860 Lincoln Av Chgo 13 Ill
Tylac Co Monticello Ill
U S Gypsum Co 300 W Adams Chgo 6 Ill
Upson Co Lockport N Y (70)

TILE—clay, drain

Acme Brick Co Fort Worth 2 Tex
Adel Clay Products Co Des Moines Iowa
Columbia Pipe Co Columbia S C
S R Dee Bloomingdale Ind
Denver Sewer Pipe & Clay Co Denver 1 Colo
Dennison Sewer Pipe Co Dennison Ohio
Lehigh Sewer Pipe & Tile Co Ft Dodge Ia
Owensboro Sewer Pipe Co Inc Owensboro Ky
Sealcon Products Inc Minneapolis 2 Minn
Sheffield Brick & Tile Co Sheffield Iowa
Streator Drain Tile Co Streator Ill
Washington Brick & Lime Co Spokane 8 Wash

TILE—concrete drain

Concrete Products Corp Humboldt Iowa
Graystone Concrete Prod Co 134 Nickerson St Seattle 9 Wash

TILE—floor, non-slip

American Abrasive Metals Co. Irvington 11 N J
The Safe Tread Co Inc 30 Vesey New York 7 N Y

TILE—floor, rubber

American Tile & Rubber Co Trenton N J
Armstrong Cork Co Lancaster Pa
Faulhaber Rubber Co Los Angeles Cal
The B F Goodrich Co Akron Ohio
Goodyear Tire & Rubber Co Inc Akron O
Hood Rubber Co Inc Watertown Mass
R C A Rubber Co Akron O
Servicised Prod Corp 6051 W 65th Chgo Ill
Tile-Tex Co Chgo Hgts Ill
Wright Rubber Prod Co Racine Wis

TILE—floor, asphalt

Johns-Manville Corp 22 E 40th New York 16 N Y (62-63)

TILE—glazed

Denver Sewer Pipe & Clay Co Denver Colo
National Fireproofing Corp Pittsburgh Pa
Washington Brick & Lime Co Spokane 8 Wash

TILE—gypsum

Certain-teed Prod Corp 120 S La Salle Chgo Ill (60)
National Gypsum Co Buffalo N Y (40-41)
Sealcon Products Inc Minneapolis 2 Minn
U S Gypsum Co 300 W Adams Chgo Ill

TILE—hollow building

Acme Brick Co Ft Worth Tex
Adel Clay Products Co Des Moines Iowa
Concrete Products Corp Humboldt Iowa
S R Dee Bloomingdale Ind
Denver Sewer Pipe & Clay Co Denver Colo
Gladding-McBean & Co San Francisco Cal
Graystone Concrete Prod Co 134 Nickerson St Seattle 9 Wash
Great Falls Brick Co Great Falls Mont
Owensboro Sewer Pipe Co Inc Owensboro Ky

Number in parenthesis indicates page on which advertisement appears

Sealcon Products Inc Minneapolis 2 Minn
Sheffield Brick & Tile Co Sheffield Iowa
Streator Drain Tile Co Streator Ill
Washington Brick & Lime Co Spokane 8 Wash

TIMBER APPRAISERS & ESTIMATORS

C V Clarke Jackson Miss
Thos F Grayson Prescott 5 Ark
The James Lacey Company 231 S La Salle St Chgo 4 Ill
Lemieux Bros Inc New Orleans 12 La
James W Sewall Old Town Me (237)
H M Spain & Co Commerce Title Bldg Memphis Tenn

TIME REVERSING SWITCH—dry kiln

Moore Dry Kiln Co P O Box 4248 Jacksonville 1 Fla (227)
Standard Dry Kiln Co P O Box 541 Indianapolis Ind

TIRES & TUBES—truck

The Dayton Rubber Mfg Co Dayton 1 Ohio
Firestone Tire & Rubber Co Akron Ohio (4)
General Tire & Rubber Co Akron 9 Ohio
The B F Goodrich Co Akron Ohio
Goodyear Tire & Rubber Co Inc Akron Ohio
Kelly-Springfield Tire Co Cumberland Md
Swan Rubber Co Bucyrus Ohio
United States Rubber Co 1230 6th Av New York 20 N Y

TOOLS—boring

Armstrong Bros Tool Company 300 N Francisco Av Chgo Ill
Circo Tool Co Milwaukee 3 Wis
E W Deuse Co Chester Conn
Flynn Mfg Co Detroit Mich
Gairing Tool Co Detroit Mich
Greenlee Bros & Co Rockford Ill
Millers Falls Co Greenfield Mass
Pratt & Whitney West Hartford Conn
The Precision Tool Co Inc P O Box 155 Brooklyn 1 N Y
The Stanley Works New Britain Conn (64)

TOOLS—carpenters

Crescent Tool Co Jamestown N Y
Henry Disston & Sons Inc Philadelphia Pa
C Drew & Co Kingston Mass
Evansville Tool Works of The American Fork & Hoe Co Evansville Ind
Greenlee Tool Co Rockford Ill
Leetonia Tool Co Leetonia Ohio
Lufkin Rule Co Saginaw Mich
Marion Tool Corp Marion Ind
Mephisto Tool Co Inc Hudson N Y
Millers Falls Co Greenfield Mass
Peck Stow & Wilcox Co Southington Conn
Fayette R Plumb Inc Philadelphia 37 Pa
Stanley Tools New Britain Conn (64)
Yates-American Machine Co Beloit Wis

TOOLS—logging

Acme Tool Works Inc Seattle 4 Wash
American Fork & Hoe Co Cleveland 15 Ohio
American Logging Tool Co Evart Mich (192)
Skookum Co Inc Portland Ore
Young Iron Wks Seattle Wash

TOOLS—painters' & paperhangers'

Advance Equipment Mfg Co 4617 W Chicago Av Chgo Ill
Atlas-Ansonia Co North Haven Conn
Otto Bernz Co Rochester N Y
Lamson & Goodnow Mfg Co Shelburne Falls Mass
Murray-Black Co Springfield O
Pioneer Tool Co Inc Bloomfield N J
Red Devil Tools Irvington 11 N J (139)
Ridgely Trimmer Co Springfield O
Stencil Specialty Co Jersey City N J
Warner Mfg Co 801 16th Av SE Minneapolis 14 Minn
Wendell Mfg Co 4234 N Lincoln Av Chgo 18 Ill

TOOLS—plumbers'

Armstrong Bros Tool Co 300 N Francisco Av Chgo Ill
Armstrong Mfg Co Bridgeport Conn
Baltimore Tool Works Baltimore 30 Md
Otto Bernz Co Rochester N Y
Collmer Bros South Bend 4 Ind
Crane Company 836 S Michigan Av Chgo Ill
Delaware Tool Steel Corp Wilmington 99 Del
Hood Bros Inc Phil Pa
C Drew & Co Kingston Mass
William Johnson Inc Newark N J
Leetonia Tool Co Leetonia Ohio
Misener Mfg Co Inc Syracuse N Y
Oxford Tool Co Phil Pa
P & C Forged Tool Co Portland Ore
Peck Stow & Wilcox Co Southington Conn
Plomb Tool Co Los Angeles Cal
Rainey-Tools Grove City Pa

TOOLS—portable electric

Skilsaw Inc 5033 N Elston Av Chgo 30 Ill (232)

TOOLS—split ring grooving

Circo Tool Co Milwaukee 3 Wis
Greenlee Bros & Co Rockford Ill
Misener Mfg Co Inc Syracuse N Y
Southern Wire & Iron Wks 441 Memorial Dr S E Atlanta Ga
Timber Engineering Co Washington D C

TORCHES—blow

Baumgarth Mfg Co 836 W Hubbard Chgo Ill
Otto Bernz Co Rochester N Y
Clayton & Lambert Mfg Co Louisville 10 Ky
Detroit Torch & Mfg Co Detroit Mich
Geo W Diener Mfg Co 400 N Monticello Ave Chicago Ill
Everhot Mfg Co 57 S 19th Ave Maywood Ill
Hauck Mfg Co 126 10th Brooklyn N Y
Huffman Mfg Co Dayton Ohio
Justrite Mfg Co 2061 Southport Ave Chgo Ill
Lenk Mfg Co Newton Lower Falls Mass
Prentiss Wabers Products Co Wisconsin Rapids Wis
Sandvik Saw & Tool Corp 47 Warren NY NY
The Turner Brass Wks Sycamore Ill
Unique Mfg Co Inc 221 Whiting Chgo Ill
P Wall Mfg Supply Co Grove City Pa

TRACTORS

Allis-Chalmers Mfg Co Milwaukee Wis (152)
Caterpillar Tractor Co Peoria Ill
Hansen Mach & Supply Co 820 Broadway Eureka Cal
International Harvester Co 180 N Michigan Chgo 1 Ill
R G LeTourneau Inc Peoria 3 Ill (rubber tired, Diesel)
Marmon Herrington Co Inc 1511 W Washington Indianapolis 7 Ind
Massey-Harris Co Racine Wis
The Oliver Corp Industrial Div 19300 Euclid Av Cleveland 17 Ohio
Elwell Parker Elec Co Cleveland Ohio
Silent Hoist & Crane Co 860 63rd Brooklyn 20 N Y (170)
U S-Challenge Co Batavia Ill
White Motor Co Cleveland Ohio

TRAILERS—commercial

Beall Pipe & Tank Corp Portland Ore
Dorsey Bros Elba Ala (53)
Eberhard Mfg Co Div Eastern Malleable Iron Co Cleveland 4 Ohio
Fruehauf Trailer Co Detroit Mich
W C Nabors Co Mansfield La
A Streich & Bros Co Oshkosh Wis
U S-Challenge Co Batavia Ill
Utility Trailer Mfg Co Los Angeles 54 Calif
Wentworth & Irwin Portland Ore

TRAILERS—logging

Beall Pipe & Tank Corp Portland Ore
Carter Mfg Co Memphis 2 Tenn
Dorsey Bros Elba Ala (53)
Electric Wheel Co Quincy Ill
Four Wheel Drive Auto Co Clintonville Wis
Fruehauf Trailer Co Detroit Mich
International Harvester Co 180 N Michigan Av Chgo 1 Ill
W C Nabors Co Mansfield La
Page & Page Co 0605 S W Curry Portland 1 Ore
Pointer Willamette Co Portland Ore
A Streich & Bros Co Oshkosh Wis
Trailer Co of America Cincinnati O
Utility Trailer Mfg Co Los Angeles 54 Calif
Wentworth & Irwin Portland Ore

TRAILERS—platform industrial

Beall Pipe & Tank Corp Portland Ore
Electric Wheel Co Quincy Ill
Howe Scale Co Rutland Vt
International Harvester Co 180 N Michigan Av Chgo 1 Ill
R G LeTourneau Inc Peoria 3 Ill
Mercury Mfg Co 4044 S Halsted Chgo Ill
Pointer Willamette Co Portland Ore
Service Caster & Truck Div of Domestic Industries Inc Albion Mich
A Streich & Bros Co Oshkosh Wis
Trailer Co of America Cincinnati O
Whitehead & Kales Co Detroit Mich

TRANSITS—surveyors

Eugene Dietzgen Co 2425 N Sheffield Chgo Ill
L S Starrett Co Athol Mass
Warren Knight Co Philadelphia 7 Pa

TRAPS—electric for insects

Electric Screen Door Corp 216 N Clinton Chgo Ill
Gardner Mfg Co Horicon Wis
Lyon Rural Electric Co San Diego 12 Cal
National Elec Screen Corp 549 W Washington Chgo 6 Ill
Reynolds Electric Co 2650 W Congress Chgo Ill
Warner Electric Co Inc 215 W Ohio Chgo Ill

TRAPS—steam

Crane Company 836 S Michigan Chgo Ill
C A Dunham Company 450 E Ohio Chgo Ill
Grinnell Co Providence R I
James P Marsh Corp 2073 N Southport Av Chgo 14 Ill
Moore Dry Kiln Co P O Box 4248 Jacksonville 1 Fla (227)
Standard Dry Kiln Co P O Box 541 Indianapolis Ind
Trane Co La Crosse Wis
Warren Webster & Co Camden N J

TREADS—stair

Alan Wood Steel Co Conshohocken Pa (195)
American Abrasive Metals Co Irvington N J
American Mason Safety Tread Co Lowell Mass
American Pressed Steel Co Phil Pa
Blaw Knox Co Pittsburgh Pa
Consolidated Expanded Metal Co Wheeling W Va
Harrison Steel Cabinet Co 4718 W 5th Chgo Ill
Inland Steel Co 38 S Dearborn Chgo 3 Ill
International Steel Co Evansville Ind
Michel & Pfeffer Iron Wks Inc 1415 Harrison San Fran 3 Cal
Morgan Co Oshkosh Wis
Protex Weatherstrip Mfg Co 4500 S Western Chgo Ill
Safe Tread Co Inc 30 Vesey NY 7 NY
So-Lo Works Inc Loveland Ohio
Southern Wire & Iron Wks 441 Memorial Dr S E Atlanta Ga
Trucson Steel Co Youngstown O
Wooster Products Inc Wooster O
Youngstown Manufacturing Inc 66 S Prospect Youngstown 6 Ohio (65)

TREADS—wood

SEE LUMBER CLASSIFICATION BEGINNING PAGE 306

TRELLIS—wood

Concord Woodworking Co W Concord Mass.
Kinzua Pipe Mills Co Kinzua Ore (143)
Nashotah Moulding & Mfg Co Nashotah Wis
Rowe Mfg Co Galesburg Ill

Number in parenthesis indicates page on which advertisement appears

TRIM SHAPES—extruded aluminum

Allmetal Weatherstrip Co 229 W Ohio Chgo Ill
Aluminum Co of America Pittsburgh 19 Pa (67)
J G Braun Co 609 S Paulina Chgo 12 Ill
Ford Metal Moulding Co 329 E 45th NY 17 NY (16)
Macklanburg-Duncan Co Oklahoma City 1 Okla
Marsh Wall Prod Inc Dover Ohio (24)
S Parker Hardware Mfg Co 27 Ludlow New York 2 N Y
Protex Weatherstrip Mfg Co 4500 S Western Chgo Ill
Samson Products Co 4238 N Leavitt Av Chgo 18 Ill
R D Werner Co Inc 295 Fifth Av New York 16 N Y (8)
Wooster Products Inc Wooster Ohio
Youngstown Manufacturing Inc 66 S Prospect Youngstown 6 Ohio (65)

TRIM SHAPES—extruded plastic

Extruded Plastics Inc Norwalk Conn
Ford Metal Moulding Co 329 E 45th NY 17 NY (16)
Irvington Varnish & Insulator Co Irvington N J
Macklanburg-Duncan Co Oklahoma City 1 Okla
Marsh Wall Prod Inc Dover Ohio (24)
Presstite Engineering 3900 Chouteau Av St Louis 10 Mo
R D Werner Co Inc 295 Fifth Av New York 16 N Y (8)
Youngstown Manufacturing Inc 66 S Prospect Youngstown 6 Ohio (65)

TRIM SHAPES—plastic

American Cabinet Hdwe Corp Rockford Ill (11)
Macklanburg-Duncan Co Oklahoma City 1 Okla
Marsh Wall Prod Inc Dover Ohio (24)
Presstite Engineering 3900 Chouteau Av St Louis 10 Mo
R D Werner Co Inc 295 Fifth Av New York 16 N Y (8)
Youngstown Manufacturing Inc 66 S Prospect Youngstown 6 Ohio (65)

TROLLEYS—I-beam overhead

Chisholm Moore Hoist Corp Tonawanda N Y
Chester Mfg Co Lisbon Ohio
Coffing Hoist Co Danville Ill
Industrial Brown Hoist Corp Bay City Mich
Jeffery Mfg Co Columbus O
Link-Belt Co 300 W Pershing Rd Chgo
Louden Mach Co Fairfield Iowa
Reading Chain & Block Corp Reading Pa
Richards-Wilcox Mfg Co Aurora Ill
Robbins & Myers Inc Springfield Ohio
David Round & Son Cleveland 5 Ohio

TRUCK BODIES

Beall Pipe & Tank Corp Portland Ore
Carter Mfg Co Memphis 2 Tenn
Indiana Body Co 615-621 S H St Richmond Ind
Pointer-Willamette Co Portland 5 Ore
A Streich & Bros Co Oshkosh Wis
Utility Trailer Mfg Co Los Angeles 54 Calif
Wentworth & Irwin Portland Ore

TRUCK BODIES—rolloff

Beall Pipe & Tank Corp Portland Ore
Carter Mfg Co Memphis 2 Tenn
The R B Company Kan City Mo (192)
A Streich & Bros Co Oshkosh Wis
Wentworth & Irwin Inc Portland 14 Ore

TRUCK BODIES—steel dump

Anthony Co Streator Ill
Beall Pipe & Tank Corp Portland Ore
Heil Co Milwaukee Wisc
Houston Blow Pipe & Sht Met Wks Houston Tex (20, 172)
Kewanee Mfg Co Kewanee Ill
Perfection Steel Body Co Galion O
Pointer-Willamette Co Portland 5 Ore
St Paul Hydraulic Hoist Co Minneapolis 14 Minn
Gar Wood Industries Inc Detroit Mich

TRUCK BODIES—wood cargo

Indiana Body Co 615-621 S H St Richmond Ind
Perfection Steel Body Co Galion Ohio
Pointer-Willamette Co Portland 5 Ore
Stoughton Cab & Body Co Stoughton, Wis
A Streich & Bros Co Oshkosh Wis
Wentworth & Irwin Portland Ore
Gar Wood Industries Inc Detroit Mich

TRUCK CABS

Four Wheel Drive Auto Co Clintonville Wis
Indiana Body Co 615-621 S H St Richmond Ind
Kenworth Motor Truck Corp Seattle 11 Wash

TRUCKS—dry kiln

American Car & Foundry Co 30 Church NY NY
Elwell-Parker Electric Co Cleveland O
The Filer & Stowell Co Milwaukee 7 Wis
Grand Rapids Vapor Kiln Inc Grand Rapids Mich
Hyster Co Portland 8 Ore
Moore Dry Kiln Co P O Box 4248 Jacksonville 1 Fla (227)
Standard Dry Kiln Co P O Box 541 Indianapolis Ind
Yale & Towne Mfg Co Phil Pa

TRUCKS—hand

Acme Tool Works Inc Seattle 4 Wash
Chattanooga Wheelbarrow Co Chattanooga 2 Tenn
Colson Co Elyria Ohio
Fairbanks Co 393 Lafayette NY 3 NY
Howe Scale Co Rutland Vt
Lewis-Shepard Products Inc Boston 72 Mass
McKinney Mfg Co Pittsburgh Pa (197)
Orangeville Mfg Co Orangeville, Pa
Rapids-Standard Co Inc Grand Rapids 2 Mich (164)
The Sabin Mach Co 6536 Carnegie Av Cleveland 3 Ohio
Service Caster & Truck Div of Domestic Industries Inc Albion Mich
A Streich & Bros Co Oshkosh Wis
Yale & Towne Mfg Co Phil Pa

TRUCKS—heavy duty

Dodge Div Chrysler Corp Detroit Mich
Kenworth Motor Truck Corp Seattle Wash
Marmon Herrington Co Inc 1511 W Washington Indianapolis 7 Ind
Oshkosh Motor Truck Inc Oshkosh Wis
Peterbilt Motors Oakland Cal
Reo Motors Inc Lansing Mich
Sterling Motors Corp Milwaukee 1 Wis
A Streich & Bros Co Oshkosh Wis
White Motor Co Cleveland Ohio
Willys-Overland Motors Inc Toledo 10 Ohio

TRUCKS—lift

Dallas Mach & Locomotive Wks Dallas Ore
Elwell Parker Elec Co Cleveland 14 Ohio
Fairbanks Co 393 Lafayette NY 3 NY
Hyster Co Portland 8 Ore
Lewis-Shepard Products Inc Boston 72 Mass
Ross Carrier Co Benton Harbor Mich (193)
Service Caster & Truck Div of Domestic Industries Inc Albion Mich
Silent Hoist & Crane Co 860 63rd Brooklyn 20 N Y (170)
Yale & Towne Mfg Co Phil Pa

TRUCKS—lift with crane

Elwell-Parker Elec Co Cleveland 14 O
Hyster Co Portland 8 Ore
The Ross Carrier Co Benton Harbor Mich (193)
Silent Hoist & Crane Co 860 63rd Brooklyn 20 N Y (170)
Taylor Machine Works Louisville Miss (6)

TRUCKS—mill & factory

Buda Co Harvey Ill
Colson Co Elyria O
Elwell-Parker Elec Co Cleveland 14 O
Fairbanks Co 393 Lafayette NY 3 NY
Fibre Specialty Mfg Co Kennett Square Pa
Chas E Francis Co Huntington Ind
Hamilton Caster & Mfg Co Hamilton O
Howe Scale Co Rutland Vt
Hyster Co Portland 8 Ore
Lansing Co Lansing Mich
Lewis-Shepard Products Inc Boston 72 Mass
Nutting Truck Co Faribault Minn
Ohio Galvanizing & Mfg Co Niles O
Rapids Standard Co Inc Grand Rapids 2 Mich (164)
Service Caster & Truck Div of Domestic Industries Inc Albion Mich
Southern Wire & Iron Wks 441 Memorial Dr S E Atlanta Ga
A Streich & Bros Co Oshkosh Wis
Tucker-Dorsey Mfg Corp Indianapolis Ind
Yale & Towne Mfg Co Phil Pa

TRUCKS—motor

Autocar Co Ardmore Pa
Brockway Motor Co Inc Cortland N Y
Chevrolet Motor Co Detroit Mich
Diamond T Motor Car Co 4517 W 26th Chgo Ill
Dodge Div Chrysler Corp Detroit Mich
Federal Motor Truck Co Detroit Mich
Ford Motor Co Dearborn Mich
Four Wheel Drive Auto Co Clintonville Wis
General Motors Truck Co Pontiac Mich
International Harvester Co 180 N Michigan Av Chgo 1 Ill
Kenworth Motor Truck Corp Seattle 11 Wash
R G LeTourneau Inc Peoria 3 Ill
Mack-International Motor Truck Corp 350 5th Av NY 1 NY
Reo Motor Car Co Lansing Mich
Sterling Motors Corp Milwaukee 1 Wis
Stewart Motor Corp Buffalo N Y
Studebaker Sales Corp South Bend Ind
Wentworth & Irwin Inc Portland 14 Ore
White Motor Co Cleveland O
Willys-Overland Motors Inc Toledo O

TRUSSES—roof, steel

Bethlehem Steel Co Bethlehem Pa
Decatur Iron & Steel Co Decatur Ala
Erie Steel Construction Co Erie Pa
Gabriel Steel Co Detroit Mich
Houston Blow Pipe & Sht Met Wks Houston Tex (20, 172)
International Steel Co Evansville Ind
Geo L Mesker Steel Corp Evansville Ind
Michel & Pfeffer Iron Wks Inc 1415 Harrison San Fran 3 Cal
Republic Steel Corp Cleveland 1 Ohio
St Paul Foundry & Mfg Co St Paul 3 Minn
Southern Wire & Iron Wks 441 Memorial Dr S E Atlanta Ga
Trucson Steel Co Youngstown O

TRUSSES—roof, wood

American Roof Truss Co 6848 Stony Island Av Chgo 49 Ill (194)
McKeown Bros Co 5235 S Keeler Chgo Ill
Rilco Laminated Prod Inc St Paul Minn (154)
Roof Structures Inc 45 W 45 NY NY
Superstructures Inc Albert Lea Minn
Tacoma Lumber Fabricating Co Tacoma 1 Wash
Unit Structures Inc Peshtigo Wis

TUBS—laundry

Alberene Stone Corp of Virginia 419 4 Ave NY NY
Concrete Fixtures Co 3666 W 38th Chgo 32 Ill
Crane Co 836 S Michigan Ave Chgo Ill
Ellwood Co Ellwood City Pa
General Ceramics Co Metuchen N J
Kohler Co Kohler Wis
Reeves Steel & Mfg Co Dover Ohio
Richmond Radiator Co 835 Fifth Av NY 17 NY
Standard-Elsmere Granite Co 1754 N Spaulding Chgo Ill
Trenton Potteries Co Trenton N J
U S-Challenge Co Batavia Ill
Vermont Soapstone Co Perkinsville Vt
Wheeling Corrugating Co Wheeling W Va (42)

TURNBUCKLES

Acme Tool Works Inc Seattle 4 Wash
American Steel & Wire Co Cleveland O (165)
Arro Expansion Bolt Co Marion Ohio
Bethlehem Steel Co Bethlehem Pa
P & F Corbin New Britain Conn (201)
Fiwale Equipment Mfg Co 165 Church NY 7 NY
Hubbard & Co 6301 Butler St Pittsburgh 1 Pa

Number in parenthesis indicates page on which advertisement appears

Kelly Steel Works Inc 5767 W 65th Chgo 38 Ill
The Thomas Laughlin Co Portland 6 Maine
Maine Steel Products Inc South Portland Maine
Republic Steel Corp Cleveland O
Richmond Screw Anchor Co Inc 816 Liberty Av Brooklyn 8 N Y
Rockford Bolt & Steel Co 126 Mill Rockford Ill
St Louis Screw & Bolt Co St Louis Mo
Sager Lock Works Div of the Yale & Towne Mfg Co North Chgo Ill
Sheffield Steel Corp Kansas City Mo
Stewart Iron Wks Co Inc Cincinnati O
Turnbuckles Inc 650 W Lake Chgo Ill
U S Expansion Bolt Co 28 W Howard NY NY
Upson-Walton Co Cleveland O
Wilcox Crittenden & Co Inc Middletown Conn

TURNTABLES—lumber

Leitelt Iron Works Grand Rapids Mich (232)
Moore Dry Kiln Co P O Box 4248 Jacksonville 1 Fla (227)
Standard Dry Kiln Co P O Box 541 Indianapolis Ind

TURPENTINE

American Turpentine Farmers Assn Cooperative Valdosta Ga
American Turpentine & Tar Co Ltd New Orleans La
Columbia Naval Stores Co Savannah Ga
Elroy Naval Stores Vidalia Ga
Gum Turpentine Farmers' Cooperative Assn Vidalia Ga
Industrial Chemical Sales Div West Virginia Pulp & Paper Co New York Central Bldg NY NY
Newport Industries Inc 230 Park Av NY NY
Southern Pine Chemical Co Div of The Glidden Co Jacksonville Fla

V BELT DRIVES

Allis Chalmers Mfg Co Milwaukee Wis (152)
Chicago Belting Co 121 N Green Chgo Ill
Corinth Machinery Co Corinth Miss (171)
The Dayton Rubber Mfg Co 2342 W Riverview Av Dayton 1 Ohio
Fairbanks Morse & Co 600 S Michigan Av Chgo Ill (29)
The Filer & Stowell Co Milwaukee 7 Wis
Gates Rubber Co 999 S Broadway Denver 17 Colo
The B F Goodrich Co Akron Ohio
Houston Blow Pipe & Sheet Mtl Wks Houston Tex (20, 172)
Kent Machine Co Cuyahoga Falls Ohio (218)
Link-Belt Co 300 W Pershing Rd Chgo 9 Ill
Raybestos Div of Raybestos Manhattan Inc Stratford Conn
Chas A Schieren Co 30-38 Ferry NY 7 NY
Teuscher Pulley & Belting Co St Louis 2 Mo
Thermoid Rubber Div Thermoid Co Trenton 6 N J
Worthington Pump & Mchy Corp Harrison N J

V BELTS & BELTING

Allis-Chalmers Mfg Co Milwaukee 1 Wis (152)
Broadway Rubber Mfg Co 529 E Broadway Louisville 2 Ky (210)
Browning Mfg Co Inc Maysville Ky
Chicago Belting Co 121 N Green Chgo Ill
Chicago Rawhide Mfg Co 1301 N Elston Chgo Ill
Victor R. Clark Belting Co 605 W Washington Chgo 6 Ill
Dayton Rubber Mfg Co Dayton O
R J Dick Co Inc Passaic N J
Durkee-Atwood Co Minneapolis Minn
Gates Rubber Co 999 S Broadway Denver 17 Colo
The B F Goodrich Co Akron Ohio
Goodyear Tire & Rubber Co Inc Akron O
Manheim Mfg & Belting Co Manheim Pa
Page Belting Co Concord New Hampshire
Raybestos-Manhattan Inc Manhattan Rubber Div Passaic N J
Republic Rubber Div Lee Rubber & Tire Corp Youngstown 1 Ohio
Rockwood Mfg Co Indianapolis Ind
Chas A Schieren Co 30-38 Ferry NY 7 NY
Teuscher Pulley & Belting Co St Louis 2 Mo
Thermoid Rubber Div Thermoid Co Trenton N J
United States Rubber Co 1230 6th Av New York 20 N Y
Worthington Pump & Mach Corp Harrison N J

VALVES—dry kiln, control

The Bristol Co Waterbury 91 Conn
The Filer & Stowell Co Milwaukee 7 Wis
Grand Rapids Vapor Kiln Inc Grand Rapids 2 Mich
Moore Dry Kiln Co P O Box 4248 Jacksonville 1 Fla (227)
Portable Products Corp C J Tagliabue Div Park & Nostrand Brooklyn 5 NY
Standard Dry Kiln Co P O Box 541 Indianapolis Ind
Walworth Co 60 E 42nd New York 17 N Y

VARNISH

American Marietta Co 43 E Ohio Chgo 11 Ill
American Varnish Co 1140 No Branch Chgo Ill
Atlantic Paint & Varnish Wks Wilmington N C
Atlantic Varnish & Paint Co Inc P O Box 474 Richmond Va
Baker Paint & Varnish Co Jersey City N J
Berry Bros Inc Detroit 7 Mich
Bigelow Varnish Co Newark N J
The Black Diamond Paint & Varnish Works Inc 1209 Bank St Cincinnati 14 Ohio
Boston Varnish Co Boston 49 Mass (33)
Breinig Brothers Inc 1st & Harrison Hoboken N J
Calbar Paint & Varnish Co Philadelphia 25 Pa
Central Paint & Varnish Wks 69 Prospect Brooklyn N Y
Chicago Paints Inc 4500 W 14 Chgo Ill
Chi-Namel Paint & Varnish Co Minneapolis Minn
Devoe & Raynolds Co Inc 787 1st Av NY 17 NY (183)
Jos Dixon Crucible Co Jersey City N J
E I Du Pont de Nemours & Co Wilmington Del (177)
Elliott Paint & Varnish Co 4523 W Fifth Ave Chgo Ill
Empire Varnish Co Cleveland O
Enterprise Paint Mfg Co 337 S Peoria Chgo Ill
Federal Varnish Co 337 S Peoria Chgo Ill
Felton Sibley & Co Inc 136 N 4th Philadelphia 6 Pa
Flint Paint & Varnish Corp Flint Mich
Forbes Varnish Co Cleveland O
The Foy Paint Co Inc Cincinnati 12 Ohio
W P Fuller & Co 301 Mission San Fran 19 Cal
Gillespie Varnish Co Dey & Howell Sts Jersey City N J
Glidden Co Cleveland O
Grand Rapids Varnish Corp 565 Godfrey Av S W Grand Rapids 2 Mich
Great Lakes Varnish Wks Inc 2215 N Pulaski Ave Chgo Ill
A C Horn Co 43-36 10th Long Island City N Y
Jewel Paint & Varnish Co 345 N Western Av Chgo Ill
The R F Johnston Paint Co Cincinnati 12 Ohio
Keystone Varnish Co 71 Otsego St Brooklyn 31 N Y
Lowe Bros Co Dayton O (30-31)
John Lucas & Co Philadelphia Pa
McCloskey Varnish Co Philadelphia Pa
Martin Senour Co 2520 Quarry Chgo Ill
Martin Varnish Co 900 W 49 Pl Chgo Ill
John W Masury & Son Inc Sharp & Ostend Baltimore Md
Minnesota Linseed Oil Paint Co Minneapolis Minn
Benjamin Moore & Co 511 Canal NY 13 NY
Murphy Paint Div Interchemical Corp 224 McWhorter Newark 1 N J
O'Brien Varnish Co So Bend Ind (187)
The Paraffine Companies Inc 475 Brannan St San Francisco 19 Cal
Patterson Sargent Co Cleveland 14 O
Peaslee-Gaulbert Paint & Varnish Co Louisville Ky
Pittsburgh Plate Glass Co 2000 Grant Bldg Pittsburgh 19 Pa (43)
Plasti-Kote Co Cleveland 13 O (68)
Pratt & Lambert Inc 75 Tonawanda Buffalo 7 NY
Rogers Paint Products Inc Detroit 11 Mich
Sherwin-Williams Co Cleveland O (39)
L Sonneborn Sons Inc 88 Lexington Av NY 16 NY
Standard Varnish Wks 2589 Richmond Terrace Staten Island N Y
Steelcote Mfg Co St Louis 3 Mo (156)
20th Century Paint & Varnish Co 30 Roebling Brooklyn N Y
Valentine & Co Inc 11 E 36 NY 16 NY
Vita-Var Corp Newark NJ (350)
Wadsworth Howland & Co 141 Federal Boston Mass
Wm Zinsser & Co 56 W 59 NY NY

VARNISH REMOVER

Acme White Lead & Color Wks 8250 St Aubin Av Detroit 11 Mich
Alabastine Paint Prod Grand Rapids Mich
American Marietta Co 43 E Ohio Chgo 11 Ill
Atlantic Varnish & Paint Co Inc P O Box 474 Richmond Va
Baltimore Paint & Color Works Baltimore 23 Md
Barrett Varnish Co 1532 S 50th Ct Cicero 50 Ill
Berry Bros Detroit Mich
Bissel Varnish Co Bridgeport Conn
Boston Varnish Co Boston 49 Mass (33)
Boyle-Midway Inc 257 Cornelison Av Jersey City 2 NJ (142)
Bradley & Vrooman Co 2629 S Dearborn Chgo Ill
Breinig Bros Inc Hoboken N J
Calbar Paint & Varnish Co 2612 N Martha Phil 25 Pa
Chemical Supply Co 225 Plymouth Bldg Cleveland 15 Ohio
Chi-Namel Paint & Varnish Co Minneapolis Minn
E I Du Pont de Nemours & Co Wilmington Del (177)
Eberson-Lindsley Paint Co St Louis Mo
Enterprise Paint Mfg Co 337 S Peoria Chgo Ill
Farwell Ozmun Kirk & Co St Paul 1 Minn
Federal Varnish Co 337 S Peoria Chgo 7 Ill
The Foy Paint Co Inc Cincinnati 12 Ohio
W P Fuller & Co 301 Mission San Fran 19 Cal
Gillespie Varnish Co Dey & Howell Sts Jersey City N J
Glidden Co Cleveland O
Globe Paint Wks Inc 202-208 Market Williamsport 5 Pa
Grand Rapids Varnish Corp 565 Godfrey Av S W Grand Rapids 2 Mich
Great Lakes Varnish Wks Inc 2215 N Pulaski Chgo Ill
Industrial Chemical Development Corp 347 Madison Av New York 17 N Y
The R F Johnston Paint Co Cincinnati 12 Ohio
Lastik Prod Co Inc Pittsburgh Pa
W W Lawrence & Co 1124 W Carson Pittsburgh 19 Pa
Lowe Bros Co Dayton O (30-31)
Mar-Kay Mfg Co 2715 S Second St St Louis Mo
Martin Senour Co 2520 Quarry Chgo Ill
Martin Varnish Co 900 W 49th Place Chgo 9 Ill
Minnesota Linseed Oil Paint Co Minneapolis 15 Minn
O'Brien Varnish Co South Bend Ind (187)
The Paraffine Companies Inc 475 Brannan St San Francisco 19 Cal
Peninsular Paint & Varnish Co Detroit Mich
Pittsburgh Plate Glass Co 2000 Grant Bldg Pittsburgh 19 Pa (43)
Pratt & Lambert Inc 75 Tonawanda Buffalo 7 NY
Reliable Paste Co 3560 Shields Av Chgo 9 Ill
Rogers Paint Products Inc Detroit 11 Mich
Sargent-Gerke Co Indianapolis 6 Ind
Savogran Co Boston 10 Mass (28)
Sewall Paint & Varnish Co Kan City Mo
Seidlitz Paint & Varnish Co Kansas City 10 Mo
So-Lo Wks Inc Loveland O
Standard Varnish Wks 2589 Richmond Terrace Staten Island N Y
Stanley Chemical Co E Berlin Conn
Steelcote Mfg Co St Louis Mo (156)
Sterling Paint & Varnish Co Malden 48 Mass
Valentine & Co Inc 11 E 37 NY NY
Wadsworth Howland & Co 141 Federal Boston Mass
C A Woolsey Paint & Color Co 229 E 42 NY NY

Number in parenthesis indicates page on which advertisement appears

VENEERS—hardwood

Frost Veneer & Plywood Co Inc Sheboygan Wis
Marsh Wall Products Inc Dover O (24)
Weber Veneer & Plywood Co Shawano Wis

VENETIAN BLINDS

Artistic Venetian Blind Co 1955 Park Av NY NY
Bostwick-Goodell Co Norwalk O
Chas W Breneman Co Cincinnati Ohio
Clark & Hammer Inc Belleville N J
Clifton Mfg Co Waco Texas
Clopay Corp Cincinnati O
Columbia Mills Inc 225 5 Av NY NY
Consolidated Venetian Blind Co Houston Tex
Crawford-Austin Mfg Co Waco Tex
Crown Shade & Screen Co Boston Mass
Fiwale Equipment Mfg Co 165 Church NY 7 NY
Flint Venetian Blind Mfg Co Flint 5 Mich
Germain Mfg Co Saginaw Mich
W E Hettrick & Son Co Toledo Ohio
Higgin Mfg Co Newport Ky
Hough Shade Corp Janesville Wis
Huttig Sash & Door Co St Louis Mo
Ideal Co Box 889 Waco Tex
Kane Mfg Corp Kane Pa
Mackin Venetian Blind Co Kankakee Ill
Mars Venetian Blinds Le Mars Ia
Modern Venetian Blinds Inc 230 Fifth Av NY NY
Rolscreen Co Pella Ia
Williams Mfg Co Constantine Mich
Yardley Industries Columbus 15 Ohio

VENETIAN BLIND SLATS

American Rule & Block Co Menominee Mich
Bostwick-Goodell Co Norwalk Ohio
Chas W Breneman Co Cincinnati Ohio
Jefferson Wood Working Co Louisville Ky
G B Lewis Co Watertown Wis
S E Overton Co So Haven Mich

VENTILATING SYSTEMS—factory

American Blower Corp Detroit Mich
Buffalo Forge Co Buffalo N Y
Clarage Fan Co Kalamazoo Mich
Connecticut Blower Co P O Box 884 Hartford 1 Conn
The DeVilbiss Company 300 Phillips Av Toledo 1 Ohio
Houston Blow Pipe & Sheet Mtl Wks Houston Tex (20, 172)
Ilg Electric Ventilating Co 2850 N Crawford Av Chgo 41 Ill
Kirk & Blum Mfg Co Cincinnati Ohio
McQuay Inc Minneapolis 13 Minn
The Herman Nelson Corp 540 N Michigan Chgo Ill
New York Blower Co 415 Lexington Av NY NY
St Louis Blow Pipe & Heater Co St Louis Mo
B F Sturtevant Co Boston Mass
Swartout Co Cleveland O
Trane Co La Crosse Wis
Westinghouse Elec & Mfg Co Pittsburgh Pa

VENTILATORS—farm, poultry, houses, etc.

Air Devices Inc 17 E 42nd St New York 17 N Y
Brower Mfg Co Quincy Ill
Clay Equipment Corp Cedar Falls Ia
The Edwards Mfg Co 427-477 Culvert Cincinnati Ohio (160)
Farwell Ozmun Kirk & Co St Paul 1 Minn
Franklin Equipment Co Monticello Ia
H D Hudson Mfg Co 589 E Illinois Chgo Ill
James Mfg Co Ft Atkinson Wis
King Ventilating Co Owatonna Minn
Klauer Mfg Co Dubuque Ia
La Crosse Steel Roofing & Corrugating Co La Crosse Wis
Louden Mach Co Fairfield Ia
Lyon Conklin & Co Baltimore 30 Md
Macomb Steel Prod Co Macomb Ill
F Meyer & Bro Co Peoria Ill
Milcor Steel Co So 41st & W Burnham Milwaukee 4 Wis (161)
The Ney Mfg Co 948 High Av S W Canton 4 Ohio
Republic Metals & Roofing Materials Inc 4040 W Lake Chgo 24 Ill
St Louis Blow Pipe & Heater Co St Louis Mo
Starline Inc Harvard Ill
U S-Challenge Co Batavia Ill
Willis Steel Corp Galesburg Ill

VENTILATORS—roof

Air Devices Inc 17 E 42nd New York 17 N Y
American Blower Corp Detroit 32 Mich
Clay Equipment Co Cedar Falls Ia
Connecticut Blower Co P O Box 884 Hartford 1 Conn
Diehl Mfg Co 1124 Finderne Av Somerville N J
The Donley Bros Co 13928 Miles Av Cleveland 5 Ohio (221)
The Edward Mfg Co 427-477 Culvert Cincinnati Ohio (160)
Farwell Ozmun Kirk & Co St Paul 1 Minn
Houston Blow Pipe & Sht Met Wks Houston Tex (20, 172)
Ilg Electric Ventilating Co 2850 N Crawford Av Chgo 41 Ill
James Mfg Co Ft Atkinson Wis
King Ventilating Co Owatonna Minn
Klauer Mfg Co Dubuque Iowa
Lyon Conklin & Co Baltimore 30 Md
Milcor Steel Co Milwaukee Wis (161)
The Ney Mfg Co 948 High Av S W Canton 4 Ohio
Pennsylvania Wire Glass Co Philadelphia 3 Pa
Republic Metals & Roofing Materials Inc 4040 W Lake Chgo 24 Ill
St Louis Blow Pipe & Heater Co St Louis Mo
St Paul Corrugating Co St Paul Minn
Starline Inc Harvard Ill
Swartout Co Cleveland O
Trane Co La Crosse Wis
Williams-Wallace Co San Francisco 7 Calif

VENTILATORS—wall

Air Devices Inc 17 E 42nd New York 17 N Y
The Airolite Co Marietta Ohio
Adams Co Dubuque Ia
Chattanooga Implement & Mfg Co Chattanooga 6 Tenn
Diehl Mfg Co 1124 Finderne Av Somerville N J
The Donley Bros Co 13928 Miles Av Cleveland 5 Ohio (221)
Farwell Ozmun Kirk & Co St Paul 1 Minn
Ilg Electric Ventilating Co 2850 N Crawford Av Chgo 41 Ill
Klauer Mfg Co Dubuque Ia
F Meyer Bro Co Peoria Ill
Northwest Metal Prod Inc Seattle Wash
Republic Metals & Roofing Materials Inc 4040 W Lake Chgo 24 Ill
F A Smith Mfg Co Inc Rochester N Y
Spartan Electric Co Rochester 2 N Y
Starline Co Harvard Ill
A L Sweet Iron Wks Medina N Y
Trane Co La Crosse Wis
Victor Elec Prod Inc Cincinnati O
Wayne Mfg Co Detroit 10 Mich
Western Steel Prod Co Duluth Minn

VENTILATORS—window

Beh & Co Inc 1150 Broadway NY NY
Dearborn Glass Co 2414 W 21st Chgo Ill
Diehl Mfg Co 1124 Finderne Av Somerville N J
Emerson Electric Mfg Co St Louis 3 Mo
Farwell Ozmun Kirk & Co St Paul 1 Minn
General Electric Co Bridgeport Conn
Gold Seal Mfg Co 1228 W Kinzie Chgo 22 Ill
Hough Shade Corp Janesville Wis
The Ideal Ventilator Co 160 Atlantic Av Providence 7 R I
Ilg Electric Ventilating Co 2850 N Crawford Av Chgo 41 Ill
W B Marvin Mfg Co Urbana O
Natl Screen Co Inc Suffolk Va
Plymouth Stamped Metal Co Galion O
Protective Ventilator Co 310 W 92 NY NY
F E Schumacher Co Hartville O
Signal Elec Mfg Co Menominee Mich
F A Smith Mfg Co Inc Rochester N Y
Starline Inc Harvard Ill
Victor Elec Prod Inc Cincinnati O
Wayne Mfg Co Detroit Mich

VISES

American Scale Co Kansas City 6 Mo (machinist, utility)
Armstrong Mfg Co Bridgeport 8 Conn (pipe)
Grand Specialties Co 3101 W Grand Av Chgo Ill

WAGONS—logging & lumber

Electric Wheel Co Quincy Ill
Hyster Co Portland 8 Ore
Lindsey Wagon Co Laurel Miss
Pointer-Willamette Co Portland 5 Ore
A Streich & Bros Co Oshkosh Wis
U S-Challenge Co Batavia Ill

WALLBOARD—fibre insulating

Celotex Corp 120 S LaSalle Chgo Ill (136)
Certain-teed Prod Corp 120 S LaSalle Chgo Ill (60)
Cornell Wood Prod Co 230 N Michigan Chgo Ill
Fir-Tex Porter Bldg Portland 4 Ore
Flintkote Co 30 Rockefeller Plaza NY NY (10)
Homasote Co Trenton N J
Insulite Minneapolis Minn (185)
Johns-Manville Corp 22 E 40th New York 16 NY (62-63)
Natl Gypsum Co Buffalo NY (40-41)
The Paraffine Companies Inc 475 Brannan St San Francisco 19 Cal
Plastergon Wallboard Co 196 Philadelphia Av Buffalo 7 NY
U S Gypsum Co 300 W Adams Chgo Ill
Upson Co Lockport NY (70)
Wood Conversion Co St Paul Minn (18-19)

WALLBOARD—gypsum

Celotex Corp 120 S LaSalle Chgo Ill (136)
Certain-teed Products Corp 120 S LaSalle Chgo 3 Ill (60)
Grand Rapids Plaster Co Grand Rapids 2 Mich
Natl Gypsum Co Buffalo NY (40-41)
Pacific Portland Cement Co San Francisco 6 Cal
Schumacher Wall Board Corp South Gate Cal
U S Gypsum Co 300 W Adams Chgo Ill

WALLBOARD—marble finish

Armstrong Cork Co Lancaster Pa
Gibbs Boardtile Corp 615 N Aberdeen Chgo Ill (220)
Marsh Wall Prod Inc Dover O (24)
Prestile Mfg Co 2860 Lincoln Av Chgo 13 Ill
Tylac Co Inc Monticello Ill

WALLBOARD—paper

Bird & Son Inc East Walpole Mass
Fleming & Sons Inc Dallas Tex
Upson Co Lockport NY (70)

WALLBOARD—tiled

Armstrong Cork Co Lancaster Pa
Barclay Mfg Co 385 Gerard Av Bronx NY
Certain-teed Prod Corp 120 S LaSalle Chgo Ill (60)
Flintkote Co 30 Rockefeller Plaza NY NY (10)
Grand Rapids Plaster Co Grand Rapids 2 Mich
Gibbs Boardtile Corp 615 N Aberdeen Chgo Ill (220)
Johns-Manville Corp 22 E 40th New York 16 NY (62-63)
Keasbey & Mattison Co Ambler Pa
Marsh Wall Prod Inc Dover O (24)
Masonite Corp 111 W Washington Chgo Ill
Natl Gypsum Co Buffalo NY (40-41)
Plastergon Wallboard Co 196 Philadelphia Av Buffalo 7 NY
Prestile Mfg Co 2860 Lincoln Av Chgo 13 Ill
Tylac Co Monticello Ill
U S Gypsum Co 300 W Adams Chgo Ill
Upson Co Lockport NY (70)
Wood Conversion Co St Paul Minn (18-19)

WALLBOARD—woodgrain finish

Armstrong Cork Co Lancaster Pa
Certain-teed Products Corp 120 S LaSalle Chgo 3 Ill (60)
Gibbs Boardtile Corp 615 N Aberdeen Chgo Ill (220)
Grand Rapids Plaster Co Grand Rapids 2 Mich
Marsh Wall Prod Inc Dover O (24)
Natl Gypsum Co Buffalo NY (40-41)
Prestile Mfg Co 2860 Lincoln Av Chgo 13 Ill
Tylac Co Inc Monticello Ill
U S Gypsum Co 300 W Adams Chgo Ill

WALL COPING

Dennison Sewer Pipe Co Dennison Ohio
Denver Sewer Pipe & Clay Co Denver 1 Colo
W S Dickey Clay Mfg Co Kansas City Mo
Gladding-McBean & Co San Francisco Cal
Laclede-Christy Clay Prod Co St Louis Mo
Lehigh Sewer Pipe & Tile Co Ft Dodge Ia
Owensboro Sewer Pipe Co Inc Owensboro Ky
Robinson Clay Prod Co Akron O

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Sealcon Products Inc Minneapolis 2 Minn
Streator Drain Tile Co Streator Ill
Washington Brick & Lime Co Spokane 8 Wash
What Cheer Clay Prod Co What Cheer Ia

WALLPAPER

The Birge Co Inc 390 Niagara St. Buffalo 1 NY
Buffalo Wallcraft Co Buffalo NY (212)
Century Wallpaper Mills Decatur Ill
Fleming & Sons Inc Dallas Tex
Imperial Paper & Color Corp Glens Falls NY
Lennon Wallpaper Co Joliet Ill
Plattsburgh Wallpaper Co Plattsburgh N Y
Prager Co Worcester Mass
Stamford Wallpaper Co Stamford Conn
Standard Coated Products Div of Interchemical Corp 350 Fifth Av NY 1 NY
Star-Peerless Wallpaper Mills 1737
Statter Wallpaper Mills Crystal Lake Ill
Howard Chgo Ill
Trimz Co Inc Merchandise Mart Chgo Ill (ready pasted)
United Wallpaper Factories Inc 3330 Fillmore Chgo Ill

WALL SIZE

Acme White Lead & Color Wks 8250 St Aubin Av Detroit 11 Mich
Alabastine Paint Prod Grand Rapids Mich
Atlantic Varnish & Paint Co Inc P O Box 474 Richmond Va
Baltimore Paint & Color Works Baltimore 23 Md
Casein Co of America 350 Madison Av NY NY
Cleveland Cleaner & Paste Co Cleveland 2 Ohio
Chi-Namel Paint & Varnish Co Minneapolis Minn
Commercial Paste Co Columbus 8 O
Consumers Glue Co St Louis 6 Mo
Farwell Ozmun Kirk & Co St Paul 1 Minn
H B Fuller Co 255 Eagle St Paul 2 Minn
The Glidden Co 11001 Madison Av Cleveland 2 Ohio
Miner-Hillard Milling Co Wilkes Barre Pa
Minnesota Linseed Oil Paint Co Minneapolis 15 Minn
Muralo Co Inc 572 Richmond Terrace Staten Island 1 N Y
Paisley Products Inc 1770 Canalport Av Chgo 16 Ill
Patent Cereals Co Geneva N Y
Pyramid Process Co Inc East Rochester N Y
Reardon Co St Louis Mo (46)
Reliable Paste Co 3560 Shields Av Chgo 9 Ill
L Sonneborn Sons Inc 88 Lexington Av NY 16 NY
Tamms-Silica Co 228 N La Salle Chgo 1 Ill
Truscon Laboratories Detroit Mich
United Gilsonite Laboratories Scranton Pa
Vita-Var Corp Newark NJ (350)
Wesco Waterpaints Inc East Boston Mass
The Wilbur & Williams Co Boston 16 Mass

WALLPAPER REMOVERS

Black Swan Mfg Co 2235 W Grand Av Chgo Ill
The Commercial Paste Co Columbus 8 Ohio
The Glidden Co 11001 Madison Av Cleveland 2 Ohio
Pyramid Process Co Inc East Rochester N Y
Reliable Paste Co 3560 Shields Av Chgo 9 Ill
Tamms Silica Co Builders Bldg Chgo Ill

WAREHOUSING—field

Douglas-Guardian Warehouse Corp 118 N Front New Orleans 1 La
Lawrence Warehouse Co W P Story Bldg Los Angeles Calif (50)
St Louis Terminal Warehouse Co St Louis Mo

WATERPROOFING—asphalt

American Asphalt Roof Corp Kan City Mo
Barrett Div Allied Chemical & Dye Corp 40 Rector NY NY (38)
Bird & Son Inc East Walpole Mass
Philip-Carey Co Cincinnati 15 O
Central Paint & Varnish Wks 69 Prospect Brooklyn N Y
Ceresit Waterproofing Corp 512 S Canal Chgo Ill
Certain-teed Prod Corp 120 S LaSalle Chgo Ill (60)
Chi-Namel Paint & Varnish Co Minneapolis Minn
Evercrete Corp 19 W 44th NY 18 NY
Flintkote Co 30 Rockefeller Plaza NY NY (10)
Ford Roofing Products Co 111 W Washington Chgo 2 Ill
The Foy Paint Co Inc Cincinnati 12 Ohio (asphaltum substance)
Glidden Co Cleveland Ohio
A C Horn Co 43-36 Tenth Long Island City N Y
Johns-Manville Corp 22 E 40th New York 16 NY (62-63)
Lastik Products Co Inc Pittsburgh 22 Pa
The Lehon Co 4425 S Oakley Chgo Ill
Mar-Kay Mfg Co 2715 S Second St St Louis Mo
Minwax Co Inc 11 W 42nd NY NY
B F Nelson Mfg Co Minneapolis Minn
The Paraffine Companies Inc 475 Brannan St San Francisco 19 Cal
Pecora Paint Co American & Venango Philadelphia 40 Pa
Presstite Engineering 3900 Chouteau Av St Louis 10 Mo
Reilly Tar & Chemical Corp Indianapolis 4 Ind
The Ruberoid Co 500 Fifth Av NY 18 NY
Sealcon Prod Inc 927 Second Av S Minneapolis 2 Minn
Sherwin-Williams Co Cleveland O (39)
L Sonneborn Sons Inc 88 Lexington Av NY 16 NY
Steelcote Mfg Co 3418 Gratiot St Louis 3 Mo (156)
The Sullivan Co P O Box 2606 Memphis 2 Tenn (234)
The Texas Co 135 E 42nd NY NY (159)
Vita-Var Corp Newark NJ (350)
W F Webster Cement Co Cambridge 41 Mass

WATERPROOFING—integral

Adensite Co Inc 37-19 23rd St L I City NY
American Fluresit Co Inc 635 Rockdale Av Cincinnati 29 Ohio
Anti Hydro Waterproofing Co Newark 8 N J
Breinig Bros Inc Hoboken N J
Central Paint & Varnish Wks 69 Prospect Brooklyn N Y
Ceresit Waterproofing Corp 512 S Canal St Chgo 7 Ill
Dow Chemical Co Midland Mich (147)
Evercrete Corp 19 W 44th NY 18 NY
Fort Pitt Chem Co Pittsburgh 22 Pa
Harrop Chemical Co 135 Hoboken Av Jersey City 2 N J
A C Horn Co 43-36 Tenth Long Island City 1 N Y
Johns-Manville Corp 22 E 40th New York 16 NY (62-63)
The Lehon Co 4425 S Oakley Chgo Ill
Lumino Co Inc 515 Madison Av NY NY
Ranetite Mfg Co 1917 S Broadway St Louis Mo (212)
Sealcon Prod Inc 927 Second Av S Minneapolis 2 Minn
Solvay Sales Corp 40 Rector NY NY
L Sonneborn Sons Inc 88 Lexington Av NY 16 NY
Steelcote Mfg Co 3418 Gratiot St Louis 3 Mo (156)
The Sullivan Co P O Box 2606 Memphis 2 Tenn (234)
Tamms-Silica Co 228 N La Salle Chgo 1 Ill
Truscon Lab Inc Detroit Mich
Wall Products Inc Newark 2 N J

WATERPROOFING—liquid

Abesto Mfg Corp Michigan City Ind (232)
Adensite Co Inc 37-19 23rd St L I City NY
American Fluresit Co Inc Cincinnati 29 O
Anti Hydro Waterproofing Co Newark 8 N J
Atlantic Varnish & Paint Co Inc P O Box 474 Richmond Va
Barrett Div Allied Chemical & Dye Corp 40 Rector NY NY (38)
Breinig Bros Inc Hoboken N J
Samuel Cabot Inc 141 Milk St Boston 9 Mass (180)
Calbar Paint & Varnish Co 2612 N Martha Phil 25 Pa
Philip-Carey Co Cincinnati 15 O
Central Paint & Varnish Wks 69 Prospect Brooklyn N Y
Ceresit Waterproofing Corp 512 S Canal Chgo Ill
Chemical Supply Co 225 Plymouth Bldg Cleveland 15 Ohio
Cre-O-Tox Chem Co Memphis Tenn (237)
Devoe & Raynolds Co Inc 787 First Av NY 17 NY (183)
The Donley Bros Co 13928 Miles Av Cleveland 5 Ohio (221)
Evercrete Corp 19 W 44th NY 18 NY
Forman Ford & Co Minneapolis 1 Minn
Fort Pitt Chem Co Pittsburgh 22 Pa
W P Fuller & Co 301 Mission San Fran 19 Cal
Glidden Co Cleveland Ohio
Harrop Chemical Co 135 Hoboken Av Jersey City 2 N J
A C Horn Co 43-36 Tenth Long Island City N Y
Johns-Manville Corp 22 E 40th New York 16 NY (62-63)
Koppers Co Inc Pittsburgh 19 Pa
Lumino Co Inc 515 Madison Av NY NY
Mar-Kay Mfg Co 2715 S Second St St Louis Mo
Pecora Paint Co American & Venango Philadelphia 40 Pa
Peaslee-Gaulbert Paint & Varnish Co Louisville Ky
Protection Products Mfg Co Kalamazoo Mich
Ranetite Mfg Co 1917 S Broadway St Louis Mo (212)
Robeson-Preservo Co Port Huron Mich
Sealcon Products Inc Minneapolis 2 Minn
L Sonneborn Sons Inc 88 Lexington Av NY 16 NY
Steelcote Mfg Co 3418 Gratiot St Louis 3 Mo (156)
The Sullivan Co P O Box 2606 Memphis 2 Tenn (234)
Tamms-Silica Co 228 N La Salle Chgo 1 Ill
Truscon Labs Detroit Mich
Wadsworth Howland & Co Inc Boston Mass
Wesco Waterpaints Inc East Boston Mass
X-Pando Corp 43-15 36th Long Island City 1 N Y

WATERPROOFING—membrane

American Asphalt Roof Corp Kansas City Mo
Angier Sales Corp Framingham Mass
Barrett Div Allied Chemical & Dye Corp 40 Rector NY NY (38)
Calbar Paint & Varnish Co 2612 N Martha Phil 25 Pa
Philip Carey Co Cincinnati 15 O
Flintkote Co 30 Rockefeller Plaza NY NY (10)
A C Horn Co 43-36 Tenth Long Island City 1 N Y
Johns-Manville Corp 22 E 40th New York 16 NY (62-63)
Koppers Co Inc Pittsburgh 19 Pa
Lastik Products Co Inc Pittsburgh 22 Pa
Lehon Co 4425 S Oakley Av Chgo Ill
Minwax Co Inc 11 W 42nd NY NY
Presstite Engineering 3900 Chouteau Av St Louis 10 Mo
Ranetite Mfg Co Inc St Louis Mo (212)
Reilly Tar & Chemical Corp Indianapolis 4 Ind
The Ruberoid Co 500 Fifth Av NY 18 NY
Sealcon Products Inc Minneapolis 2 Minn
The Sisalkraft Co 205 W Wacker Dr Chgo 6 Ill (140-168)
L Sonneborn Sons Co 88 Lexington Av NY NY
The Sullivan Co P O Box 2606 Memphis 2 Tenn (234)
Thilmany Pulp & Paper Co Kaukauna Wis
Wasco Flashing Co Cambridge Mass

Number in parenthesis indicates page on which advertisement appears

WATERPROOFING—metallic

Belmont Smelting & Refining Works Inc 330 Belmont Av Brooklyn 7 N Y
Ceresit Waterproofing Corp 512 S Canal Chgo 7 Ill
Fort Pitt Chemical Co Pittsburgh 22 Pa
A C Horn Co 43-42 Tenth Long Island City 1 NY
Ranetite Mfg Co Inc 1917 S Broadway St Louis Mo (212)
Sealcon Prod Inc 927 Second Av S Minneapolis 2 Minn
L Sonneborn Sons Inc 88 Lexington Av NY 16 NY
Steelcote Mfg Co 3418 Gratiot St Louis 3 Mo (156)
The Sullivan Co Memphis 2 Tenn (234)
Truscon Labs Detroit Mich

WATERPROOFING—transparent

Adensite Co Inc 37-19 23rd St L I City NY
American Fluresit Co Inc Cincinnati 29 Ohio
Atlantic Varnish & Paint Co Inc P O Box 474 Richmond Va
Breinig Bros Inc Hoboken N J
Celadri Corp 652 Willis Ave Williston Park NY (145)
Ceresit Waterproofing Corp 512 S Canal Chgo 7 Ill
Ensign Products Co Cleveland Ohio
Evercrete Corp 19 W 44th NY 18 NY
Fort Pitt Chem Co Pittsburgh 22 Pa
Gillespie Varnish Co Dey & Howell Sts Jersey City N J
Glidden Co Cleveland Ohio
A C Horn Co 43-42 Tenth Long Island City 1 NY
Harrop Chemical Co 135 Hoboken Av Jersey City 2 N J
Mar-Kay Mfg Co 2715 S Second St St Louis Mo
Minwax Co Inc 11 W 42nd NY NY
B F Nelson Mfg Co Minneapolis Minn
Pecora Paint Co Philadelphia 40 Pa
Protection Products Mfg Co Kalamazoo Mich
Ranetite Mfg Co 1917 Broadway St Louis Mo (212)
Sealcon Prod Inc 927 Second Av S Minneapolis 2 Minn
Seidlitz Paint & Varnish Co Kansas City 10 Mo
Sheboygan Paint Co Sheboygan Wis
L Sonneborn Sons Inc 88 Lexington Av NY 16 NY
Steelcote Mfg Co 3418 Gratiot St Louis 3 Mo (156)
Sterling Paint & Varnish Co Malden 48 Mass
The Sullivan Co P O Box 2606 Memphis 2 Tenn (234)
Truscon Labs Detroit Mich
The Wilbur & Williams Co Boston 16 Mass
Wood Treating Chemicals Co St Louis Mo
X-Pando Corp 43-15 36th Long Island City N Y

WATERPROOFING COMPOUNDS—basement, cistern

Abesto Mfg Corp Michigan City Ind (233)
Adensite Co Inc 37-19 23rd St L I City NY
American Asphalt Roof Corp Kansas City Mo
American Fluresit Co Cincinnati 29 O
Anti Hydro Waterproofing Co Newark 3 N J
Baltimore Paint & Color Works Baltimore 23 Md
Barrett Div Allied Chem & Dye Corp 40 Rector NY NY (38)
Samuel Cabot Inc 141 Milk St Boston 9 Mass (180)
Philip Carey Mfg Co Cincinnati 15 O
Celadri Corp 652 Willis Av Williston Park NY (145)
Ceresit Waterproofing Corp 512 S Canal Chgo 7 Ill
Chemical Supply Co 225 Plymouth Bldg Cleveland 15 Ohio
Chi-Namel Paint & Varnish Co Minneapolis Minn
E I DuPont de Nemours & Co Inc Wilmington 98 Del (177)
Flintkote Co 30 Rockefeller Plaza NY NY (10)
Fort Pitt Chem Co Pittsburgh 22 Pa
A C Horn Co 43-42 Tenth Long Island City 1 N Y
Ironite Co 111 W Washington Chgo 2
Kay-Tite Co West Orange N J
Koppers Co Inc Pittsburgh 19 Pa
Lehon Co 4425 S Oakley Av Chgo Ill
Lumino Co Inc 515 Madison Av NY NY
Minnesota Linseed Oil Paint Co Minneapolis Minn
Minwax Co Inc 11 W 42nd NY NY
The Paraffine Companies Inc 475 Brannan St San Francisco 19 Cal
Pioneer Asphalt Corp 435 N Michigan Chgo Ill
Presstite Engineering Co St Louis 10 Mo
Ranetite Mfg Co 1917 S Broadway St Mo (212)
Sealcon Products Inc Minneapolis 2 Minn
L Sonneborn Sons Inc 88 Lexington Av NY 16 NY
Steelcote Mfg Co 3418 Gratiot St Louis 3 Mo (156)
Stonhard Company 401 N Broad Philadelphia 8 Pa
The Sullivan Co P O Box 2606 Memphis 2 Tenn (234)
The Texas Co 135 E 42nd NY NY (159)
Truscon Labs Detroit Mich
Vita-Var Corp Newark N J (350)

WATER SYSTEMS

Aurora Pump Co Aurora Ill
Dayton Pump & Mfg Co Dayton O
Decatur Pump Co Decatur Ill
Delco Appliance Div General Motor Sales Corp Rochester N Y
Dempster Mill Mfg Co Beatrice Neb
Everite Pump & Mfg Co Inc Lancaster Pa
Fairbanks Morse & Co 600 S Michigan Av Chgo Ill (29)
Flint & Walling Mfg Co Inc Kendallville Ind
Goulds Pumps Inc Seneca Falls N Y
H D Hudson Mfg Co 539 E Illinois Chgo Ill
Jacuzzi Bros Inc Berkeley 2 Cal
F E Myers & Bro Co Ashland O
Pacific Wood Tank Corp San Francisco 5 Cal
Pioneer Gen-E-Motor Corporation 5841 W Dickens Chgo 39 Ill
Pomona Pump Co Pomona Calif
U S-Challenge Co Batavia Ill

WAX—floor

Acme White Lead & Color Wks 8250 St Aubin Av Detroit 11 Mich
Atlantic Varnish & Paint Co Inc P O Box 474 Richmond Va
Baltimore Paint & Color Works Baltimore 23 Md
Boston Varnish Co Boston 49 Mass (33)
Boyle-Midway Inc 257 Cornelison Av Jersey City 2 NJ (142)
Breinig Brothers Inc 1st & Harrison Hoboken N J
E L Bruce Co Memphis Tenn
Cellowax Co Baltimore Md
Chemical Supply Co 225 Plymouth Bldg Cleveland 15 Ohio
E I Du Pont de Nemours & Co Inc Wilmington Del (177)
Donald Durham Co Des Moines 4 Ia (237)
Farwell Ozmun Kirk & Co St Paul 1 Minn
Forman Ford & Co Minneapolis 1 Minn
Franklin Research Co Philadelphia Pa
W P Fuller & Co 301 Mission San Fran 19 Cal
Gillespie Varnish Co Dey & Howell Sts Jersey City N J
Glidden Co Cleveland Ohio
R M Hollingshead Corp Camden N J
A C Horn Co 43-36 Tenth Long Island City 1 N Y
S C Johnson & Son Racine Wis
Minnesota Mining & Mfg Co St Paul 6 Minn
Minwax Co Inc 11 W 42nd NY NY
O-Cedar Corp 2246 W 49 Chgo Ill
The Paraffine Companies Inc 475 Brannan St San Francisco 19 Cal
Peaslee-Gaulbert Paint & Varnish Co Louisville Ky
Pittsburgh Plate Glass Co Paint Div Pittsburgh Pa (48)
Pratt & Lambert Inc 75 Tonawanda Buffalo 7 NY
Puritan Chemical Co Atlanta 3 Ga
Rogers Paint Products Inc Detroit 11 Mich
Simoniz Co 2100 S Indiana Av Chgo Ill
Socony-Vacuum Oil Co Inc 26 Broadway NY NY
L Sonneborn Sons Inc 88 Lexington Av NY 16 NY
Standard Oil Co of Ind 910 S Michigan Av Chgo Ill
The Sullivan Co PO Box 2606 Memphis 2 Tenn (234)
Wadsworth Howland & Co 141 Federal Boston Mass

WAX REMOVER—floor

The Savogran Co India Wharf Boston 10 Mass (28)

WEATHERSTRIP

Accurate Metal Weatherstrip Co Inc 218 E 26th NY 10 NY
Allmetal Weatherstrip Co 229 W Ohio Chgo Ill
American Metal Weather Strip Co Grand Rapids Mich
W J Dennis & Co 1732 N Kolmar Av Chgo Ill
Diamond Metal Weather Strip Co Columbus O
Higgin Mfg Co Newport Ky
Johnson Metal Prod Co Erie Pa
Kuhlman Metal Weather Strip Co St Louis Mo
Macklanburg-Duncan Co Oklahoma City 1 Okla
Master Metal Strip Service Inc 1720 N Kilbourn Av Chgo Ill
Monarch Metal Weatherstrip Corp St Louis 14 Mo
Protex Weatherstrip Mfg Co 4500 S Western Chgo Ill
The R O W Sales Co Royal Oak Mich (69)
Samson Products Co 4238 N Leavitt Av Chgo 18 Ill
The Security Co Detroit 3 Mich (188)
Zegers Inc 5615 Harper Av Chgo 37 Ill (156)

WEATHERSTRIP—door bottom

Macklanburg-Duncan Co Oklahoma City 1 Okla
Samson Products Co 4238 N Leavitt Av Chgo 18 Ill
Thermal Co Philadelphia 19 Pa (196)

WEATHER VANES

J W Fiske Iron Works 78 Park Place New York 7 N Y

WEDGES—axe & hammer

Red Devil Tools Irvington 11 N J (139)

WHEELBARROWS

American Steel Scraper & Wheelbarrow Co Sidney Ohio
Boyle Mfg Co Los Angeles Cal
Chattanooga Wheelbarrow Co Chattanooga 2 Tenn
Jackson Mfg Co Harrisburg Pa
Lansing Co Lansing Mich
Frank R Prescott Meredith N H
Seymour Mfg Co Inc Seymour Ind
Sterling Wheelbarrow Co Milwaukee Wis
Toledo Wheelbarrow Co Toledo Ohio
U S-Challenge Co Batavia Ill
Western Wheel Barrow Mfg Co South Fort Smith Ark

WHEEL GUARDS

Adams Co Dubuque Ia
The Donley Bros Co 13928 Miles Av Cleveland 5 Ohio (221)
The Filer & Stowell Co Milwaukee 7 Wis
J W Fiske Iron Works 78 Park Place New York 7 N Y
Kentucky Metal Products Co Louisville 4 Ky
Majestic Co Huntington Ind
Michel & Pfeffer Iron Wks Inc 1415 Harrison San Fran 3 Cal
A L Swett Iron Wks Medina NY
Western Foundry Co Portland 1 Ore

Number in parenthesis indicates page on which advertisement appears

WHEELS—sprocket

Brad Foote Gear Wks 1301 S Cicero Av Chgo Ill
Chain Belt Co Milwaukee Wis
Cullman Wheel Co 1352 Altgeld Chgo Ill Chgo Ill
Diamond Chain & &Mfg Co 450 Kentucky Av Indianapolis 7 Ind
Dodge Mfg Corp Mishawaka Ind
The Filer & Stowell Co Milwaukee 7 Wis
Jeffrey Mfg Co Columbus O
Link-Belt Co 300 W Pershing Rd Chgo 9 Ill
Stephens-Adamson Mfg Co Aurora Ill
Western Foundry Co Portland 1 Ore

WINCHES—tractor & truck

Four Wheel Drive Auto Co Clintonville Wis
Hyster Co Portland 8 Ore
Isaacson Iron Wks Seattle Wash
The Oliver Corp Industrial Div 19300 Euclid Av Cleveland 17 Ohio
Silent Hoist & Crane Co 860 63rd Brooklyn 20 NY (170)
Stimmel Winch Co 37-24 33rd St Long Island City 1 N Y

WINDMILLS

Baker Mfg Co Evansville Wis
Dempster Mill Mfg Co Beatrice Neb
Fairbanks Morse & Co 600 S Michigan Av Chgo Ill (29)
Flint & Walling Mfg Co Inc Kendallville Ind
New England Tank & Tower Co Everett Mass
Stover Mfg & Engine Co Freeport Ill
U S-Challenge Co Batavia Ill

WINDOW FRAMES—wood

Andersen Corp Bayport Minn (32)
Biles-Coleman Lbr Co Inc Omak Wash (148)
Bradley-Miller & Co Bay City Mich
California Redwood Distributors Ltd 35 E Wacker Dr Chgo Ill
Carr Adams & Collier Co Dubuque Ia (23)
Cole Mfg Co Memphis Tenn
Curtis Cos Inc Clinton Ia (12)
Farley & Loetscher Mfg Co Dubuque Ia
Frost Lumber Industries Inc Shreveport La (149)
Gregg & Son Nashua N H
Hallack & Howard Lumber Co Denver Colo
Hammond Lumber Co 417 Montgomery San Fran Cal
Huttig Mfg Co Muscatine Ia
Huttig Sash & Door Co St Louis Mo
Ideal Co Box 889 Waco Tex
Keystone Frame & Mfg Co Spokane 3 Wash
Kinzua Pine Mills Co Kinzua Ore (143)
Long-Bell Lbr Co Kansas City Mo
Long Lake Lbr Co Spokane Wash
Missoula White Pine Sash Co Missoula Mont
Morgan Co Oshkosh Wis
Pacific Mutual Door Co Tacoma Wash (225)
J R Quigley Co Gloucester City N J
Roach & Musser Co Muscatine Ia
Rock Island Sash & Door Wks Rock Island Ill
Segelke & Kohlhaus Co La Crosse Wis
George J Silbernagel S S Michigan Av Chgo 3 Ill (176)
Spokane Pine Prod Co Spokane Wash
Trimpak Corp New Rochelle N Y
Western Pine Mfg Co Spokane Wash (204)
Weyerhaeuser Sales Corp St Paul Minn
White Pine Sash Co Spokane Wash

WINDOW GUARDS

Adams Co Dubuque Ia
Cincinnati Iron Fence Co Inc Cincinnati 6 Ohio
Clay Equipment Corp Cedar Falls Iowa
P & F Corbin New Britain Conn (201)
Cyclone Fence Div American Steel & Wire Co P O Box 260 Waukegan 1 Ill (165)
The Edwards Mfg Co Cincinnati 2 Ohio (160)
J W Fiske Iron Works 78 Park Place New York 7 N Y
Grand Rapids Wire Prod Co Grand Rapids Mich
Lockwood Hdwe Mfg Co Fitchburg Mass (163)
Logan Co Inc Louisville 6 Ky
Mesker Bros 433 S 7th St Louis 2 Mo
Natl Brass Co Grand Rapids Mich
Ney Mfg Co Canton O
S Parker Hardware Mfg Co 27 Ludlow New York 2 N Y
Russell & Erwin Div The American Hardware Corp New Britain Conn (202)
Slaymaker Lock Co Lancaster Pa
F P Smith Wire & Iron Wks 2346 N Clybourn Av Chgo Ill
Southern Wire & Iron Wks 441 Memorial Dr S E Atlanta Ga
Starline Inc Harvard Ill
Stewart Iron Wks Co Inc Cincinnati O
A L Swett Iron Works Medina N Y
United States Gypsum Co 300 W Adams Chgo 6 Ill
Wickwire Spencer Steel A Div of The Colorado Fuel & Iron Corp 500 Fifth Av New York 18 N Y (66)

WINDOWS—aluminum

The Adams Co Dubuque Iowa
Aluminum Window Corp 34-19 10th Long Island City 1 N Y
Flour City Ornamental Iron Co Minneapolis Minn
Hope's Windows Inc Jamestown N Y
Lundell Eckberg Mfg Co Inc Jamestown N Y

WINDOWS—combination

Baer-American Window Co 502 Erie Bldg Cleveland 15 Ohio (26-27)
Ingersoll Steel Div Borg Warner Corp 310 S Michigan Av Chgo 4 Ill
Marquart Millwork Co Oshkosh Wis (219)
Northern Wood Products Co Detroit 26 Mich (47)
Phenix Mfg Co Inc Milwaukee 12 Wis
F C Russell Co Cleveland O
Samson Products Co 4238 N Leavitt Av Chgo 18 Ill (aluminum)
Frank C Snedaker & Co Inc Philadelphia 3 Pa
Truscon Steel Co Youngstown 1 Ohio

WINDOWS—doublehung, steel

National Mirror Works Rockford Ill
S H Pomeroy Co Inc 25 Eastern Blvd NY NY
Republic Steel Corp Cleveland 1 Ohio
Soule Steel Co San Francisco 24 Cal
Truscon Steel Co Youngstown Ohio

WINDOWS—double hung, wood

Andersen Corp Bayport Minn (32)
Angel Novelty Co Fitchburg Mass
Anson & Gilkey Co Merrill Wis
Baer-American Window Co Venti/Kleen Div 502 Erie Bldg Cleveland 15 Ohio (26-27)
Buffelen Lumber & Mfg Co Tacoma Wash
California Redwood Distributors Ltd 35 E Wacker Dr Chgo Ill
Carnahan Mfg Co Loogootee Ind
Carr Adams & Collier Co Dubuque Ia (23)
Cole Mfg Co Memphis Tenn
Curtis Companies Inc Clinton Ia (12)
Farley & Loetscher Mfg Co Dubuque Ia
Gregg & Son Nashua N H
Hallack & Howard Lumber Co Denver 1 Colo
Huttig Mfg Co Muscatine Ia
Huttig Sash & Door Co St Louis Mo
Ideal Co Box 889 Waco Tex
The Long-Bell Lumber Co Kansas City 6 Mo
Marquart Millwork Co Oshkosh Wis (219)
Missoula White Pine Sash Co Missoula Mont
Morgan Co Oshkosh Wis
N S W Co Detroit 7 Mich
Pacific Mutual Door Co Tacoma Wash (225)
J R Quigley Co Gloucester City N J
The Radford Co Oshkosh Wis
Roach & Musser Co Muscatine Ia
Rock Island Sash & Door Wks Rock Island Ill
The R O W Sales Co Royal Oak Mich (69)
Segelke & Kohlhaus Co La Crosse Wis
Geo J Silbernagel S S Michigan Av Chgo Ill (176)
Western Pine Mfg Co Spokane Wash (204)
Weyerhaeuser Sales Co St Paul Minn
White Pine Sash Co Spokane Wash

WINDOWS—pivoted & projected, steel

Adams Co Dubuque Ia
Ceco Steel Prod Corp 5701 W 26 Chgo Ill
Crittall-Federal Inc Waukesha Wis
Detroit Steel Prod Co Detroit Mich
The Edwards Mfg Co Cincinnati 2 Ohio (160)
Michael Flynn Mfg Co 2247 E Allegheny Av Philadelphia 34 Pa
Hope's Windows Inc Jamestown N Y
International Steel Co Evansville Ind
Kewanee Mfg Co Kewanee Ill
Louden Mach Co Fairfield Iowa
Mesker Bros 433 S 7th St Louis 2 Mo
Michel & Pfeffer Iron Wks Inc 1415 Harrison San Fran 3 Cal
National Mirror Works Rockford Ill
Republic Steel Corp Cleveland 1 Ohio
Soule Steel Co San Francisco 24 Cal
Truscon Steel Co Youngstown 1 O

WINDOWS—pivoted, wood

Baer-American Window Co Venti/Kleen Div 502 Erie Bldg Cleveland 15 Ohio (26-27)

WINDOWS—steel basement

Adams Co Dubuque Ia
Wm Bayley Co Springfield O
Ceco Steel Products Corp 5701 W 26th Chgo 50 Ill
Clay Equipment Corp Cedar Falls Iowa
Crittall Federal Waukesha Wis
Detroit Steel Prod Co Detroit Mich
The Donley Bros Co 13928 Miles Av Cleveland 5 Ohio (221)
Michael Flynn Mfg Co 2247 E Allegheny Av Philadelphia 34 Pa
Gabriel Steel Co Detroit 12 Mich
Kewanee Mfg Co Kewanee Ill
Majestic Co Huntington Ind
Geo L Mesker Steel Corp Evansville Ind
Michel & Pfeffer Iron Wks Inc San Francisco Cal
Milcor Steel Co 4101 W Burnham Milwaukee 4 Wis (161)
National Mirror Works Rockford Ill
Republic Steel Corp Cleveland 1 Ohio
Soule Steel Co San Francisco 24 Cal
Starline Inc Harvard Ill
Truscon Steel Co Youngstown 1 O
U S Gypsum Co 300 W Adams Chgo 6 Ill
Vento Steel Products Co 600 W 41st Chgo Ill

WINDOWS—steel casement

Crittall-Federal Inc Waukesha Wis
Ceco Steel Products Corp 5701 W 26th Chgo 50 Ill
Detroit Steel Prod Co Detroit Mich
Michael Flynn Mfg Co 2247 E Allegheny Av Philadelphia 7 Pa
Hope's Windows Inc Jamestown N Y
Lundell-Eckberg Mfg Co Inc Jamestown N Y
Mesker Bros 433 S 7th St Louis 2 Mo
Geo L Mesker Steel Corp Evansville Ind
Michael Flynn Mfg Co 2247 E Allegheny Av Philadelphia 34 Pa
Michel & Pfeffer Iron Wks Inc San Francisco Cal
National Mirror Works Rockford Ill
Republic Steel Corp Cleveland 1 Ohio
Soule Steel Co San Francisco 24 Cal
Truscon Steel Co Youngstown 1 O
Vento Steel Products Co 600 W 41st Chgo Ill

Number in parenthesis indicates page on which advertisement appears

WINDOWS—steel, storm

Adams Co Dubuque Ia
Ceco Steel Products Corp 5701 W 26th Chgo 50 Ill
Hope's Windows Inc Jamestown N Y
Mesker Bros 433 S 7th St Louis 2 Mo
Soule Steel Co San Francisco 24 Cal
Truscon Steel Co Youngstown 1 O
Vento Steel Products Co 600 W 41st Chgo Ill

WINDOWS—wood, barn

The Long-Bell Lumber Co Kansas City 6 Mo
Morgan Co Oshkosh Wis
The Radford Co Oshkosh Wis
Rock Island Sash & Door Wks Rock Island Ill
George J Silbernagel 8 S Michigan Av Chgo 3 Ill (176)

WINDOWS—wood basement

Andersen Corp Bayport Minn (32)
Angel Novelty Co Fitchburg Mass
Anson & Gilkey Co Merrill Wis
California Redwood Distributors Ltd 35 E Wacker Dr Chgo Ill
Carr Adams & Collier Co Dubuque Ia (23)
Cole Mfg Co P O Box 2657 Memphis 2 Tenn
Curtis Companies Inc Clinton Ia (12)
Farley & Loetscher Mfg Co Dubuque Ia
Gregg & Son Nashua N H
Huttig Mfg Co Muscatine Ia
Huttig Sash & Door Co St Louis Mo
Ideal Co Box 889 Waco Tex
The Long-Bell Lumber Co Kansas City 6 Mo
Long Lake Lbr Co Spokane Wash
Morgan Co Oshkosh Wis
Northwest Door Co Tacoma Wash
Pacific Mutual Door Co Tacoma Wash (225)
The Radford Co Oshkosh Wis
Roach & Musser Co Muscatine Ia
Rock Island Sash & Door Works Rock Island Ill
Royal Glass Works Corp 50-20 25th Long Island City 1 N Y
Segelke & Kohlhaus Co La Crosse Wis
Geo J Silbernagel 8 S Michigan Av Chgo 3 Ill (176)
Weyerhaeuser Sales Co St Paul Minn

WINDOWS—wood casement

Andersen Corp Bayport Minn (32)
Angel Novelty Co Fitchburg Mass
Anson & Gilkey Co Merrill Wis
California Redwood Distributors Ltd 35 E Wacker Dr Chgo Ill
Carnahan Mfg Co Loogootee Ind
Carr Adams & Collier Co Dubuque Ia (23)
Cole Mfg Co P O Box 2657 Memphis 2 Tenn
Curtis Companies Inc Clinton Ia (12)
Farley & Loetscher Mfg Co Dubuque Ia
Huttig Mfg Co Muscatine Ia
Ideal Co Box 889 Waco Tex
James Mfg Co Ft Atkinson Wis
The Long-Bell Lumber Co Kansas City 6 Mo
Morgan Co Oshkosh Wis
Pacific Mutual Door Co Tacoma Wash (225)
J R Quigley Co Gloucester City N J
The Radford Co Oshkosh Wis
Rock Island Sash & Door Works Rock Island Ill
Roach & Musser Co Muscatine Ia
Rolscreen Co Pella Iowa
Royal Glass Works Corp 50-20 25th Long Island City 1 N Y
Segelke & Kohlhaus Co La Crosse Wis
Geo J Silbernagel 8 S Michigan Av Chgo 3 Ill (176)
Weyerhaeuser Sales Co St Paul Minn
White Pine Sash Co Spokane Wash

WINDOWS—wood, horizontal acting

Andersen Corp Bayport Minn (32)
Anson & Gilkey Co Merrill Wis
Farley & Lotscher Mfg Co Dubuque Ia
Morgan Co Oshkosh Wis
George J. Silbernagel 8 S Michigan Av Chgo 3 Ill (176)

WINDOWS—wood, storm

Angel Novelty Co Fitchburg Mass
Anson & Gilkey Co Merrill Wis
Baer-American Window Co Venti/Kleen Div 502 Erie Bldg Cleveland 15 Ohio (26-27)
California Redwood Distributors Ltd 35 E Wacker Dr Chgo Ill
Carr Adams & Collier Co Dubuque Ia (23)
Curtis Companies Inc Clinton Ia (12)
Farley & Loetscher Mfg Co Dubuque Ia
Gregg and Son Nashua N H
Hallack & Howard Lumber Co Denver 1 Colo
Huttig Mfg Co Muscatine Ia
Huttig Sash & Door Co St Louis Mo
Kane Mfg Corp Kane Pa
The Long-Bell Lumber Co Kansas City 6 Mo
Missoula White Pine Sash Co Missoula Mont
Morgan Co Oshkosh Wis
Northern Wood Products Co Detroit 26 Mich (47)
Northwest Door Co Tacoma Wash
Pacific Mutual Door Co Tacoma Wash (225)
The Radford Co Oshkosh Wis
Rock Island Sash & Door Works Rock Island Ill
Royal Glass Works Corp 50-20 25th Long Island City 1 N Y
Segelke & Kohlhaus Co La Crosse Wis
Geo J Silbernagel 8 S Michigan Av Chgo 3 Ill (176)
U S-Challenge Co Batavia Ill

WIRE—barbed

American Chain Link Fence Co Medford Mass
Amer Steel & Wire Co Cleveland 13 O (165)
Bethlehem Steel Co Bethlehem Pa
Ceco Steel Products Corp 5701 W 26th Chgo 50 Ill
Century Fence Co Waukesha Wis
Columbia Steel Co Russ Bldg San Fran 6 Cal (165)
Continental Steel Corp Kokomo Ind
Copperweld Steel Co Glassport Pa
Jones & Laughlin Corp Pittsburgh Pa
Keystone Steel & Wire Co Peoria Ill
Mid States Steel & Wire Co Crawfordsville Ind
Northwestern Steel & Wire Co Sterling Ill
Pittsburgh Steel Co Pittsburgh 30 Pa
Republic Steel Corp Cleveland 1 Ohio
Sheffield Steel Corp Kansas City Mo
Tennessee Coal Iron & Railroad Co Birmingham 2 Ala (165)
Wheeling Corrugating Co Wheeling W Va (42)
Wheeling Steel Corp Wheeling W Va

WIRE—galvanized steel

Acme Staple Co Camden N J
American Chain Link Fence Co Medford Mass
American Steel & Wire Co Cleveland O (165)
Bethlehem Steel Co Bethlehem Pa
Century Fence Co Waukesha Wis
Columbia Steel Co Russ Bldg San Fran 6 Cal (165)
Continental Steel Corp Kokomo Ind
Gerrard Steel Strapping Co 2915 W 47th Chgo 32 Ill
Johnson Steel & Wire Co Inc Worcester Mass
Jones & Laughlin Steel Corp Pittsburgh Pa
Keystone Steel & Wire Co Peoria Ill
Mid-States Steel & Wire Co Crawfordsville Ind
Northwestern Steel & Wire Co Sterling Ill
Pittsburgh Steel Co Pittsburgh Pa
Republic Steel Corp Cleveland 1 Ohio
John A. Roebling's Sons Co Trenton N J
Seneca Wire & Mfg Co Fostoria O (237)
Sheffield Steel Corp Kansas City Mo
Soule Steel Co San Francisco 24 Cal
Tennessee Coal Iron & Railroad Co Birmingham Ala (165)
Wheeling Corrugating Co Wheeling W Va (42)
Wheeling Steel Corp Wheeling W Va
Wickwire Bros Cortland N Y (158)
Wickwire Spencer Steel A Div of The Colorado Fuel & Iron Corp 500 Fifth Av New York 18 NY (66)
Youngstown Steel Prod Co Youngstown O

WIRE PULLERS & STRETCHERS

American Steel & Wire Co Cleveland 13 Ohio (165)
Bethlehem Stel Co Bethlehem Pa
Century Fence Co Waukesha Wis
Continental Steel Corp Kokomo Ind
Crescent Tool Co Jamestown N Y
Keystone Steel & Wire Co Peoria Ill
Louden Machinery Co Fairfield Iowa
Mason Fence Co Leesburg Ohio
Mid-States Steel & Wire Co Crawfordsville Ind
Ney Mfg Co Canton Ohio
Richards-Wilcox Mfg Co Aurora Ill
Starline Inc Harvard Ill

WOOD—balsa

Balsa Ecuador Lbr Corp 500 5th Av NY NY
C-W Plywood Co 9 S Clinton Chgo Ill
F C Luthi & Co Balter Bldg New Orleans 12 La (216)

WOOD—compregnated

Farley & Loetscher Mfg Co Dubuque Iowa
Parkwood Corp Wakefield Mass
Pluswood Inc Oshkosh Wis

WOOD FILLER—plastic

Boyle-Midway Inc 257 Cornelison Av Jersey City 2 NJ (142)
Carbola Chemical Co Inc Natural Bridge N Y
Colorado Paint Co 3551 Blake Denver 5 Colo
Farwell Ozmun Kirk & Co St Paul 1 Minn
Gillespie Varnish Co Dey & Howell Sts Jersey City N J
Grand Rapids Varnish Corp 565 Godfrey Av S W Grand Rapids 2 Mich
M & M Wood Working Co Resnprest Div 2301 N Columbia Blvd Portland 3 Ore
Perkins Glue Co Lansdale Pa
So-Lo Wks Inc Loveland O
The Sullivan Co P O Box 2606 Memphis 2 Tenn (234)

WRENCHES

Fairmount Tool & Forging Co Cleveland 6 Ohio
Heller Brothers Co Newark 4 N J
Owatonna Tool Co Owatonna Minn (automative)
Walworth Co 60 E 42nd New York 17 N Y (Pipe)

Number in parenthesis indicates page on which advertisement appears

Northeastern Lumber, Specialties and Other Items

	M—Manufacturer W—Wholesaler	Annual Capacity Million Feet	W—North. White Pine N—Norway Pine	Eastern Hemlock	Eastern Spruce	Ash	Basswood	Beech	Birch	Cherry	Maple	Oak	Y—Yard & Shed Stock S—Softwood Flooring	D—Dimension T—Softwood Timbers	S—Bevel Siding H—Hardwood Flooring	A—Air Dried Rgh. Dimension K—K.D. Rgh. Dimension	F—Finished Dimension S—Semi-Finished Dimension	H—Hardwood Timbers V—Vehicle & Wagon Stock	B—Box Shook C—Crating	Other
MAINE																				
Augusta Lbr. Co., Augusta	MW		W	X	X														B	P
J. G. Deering & Son, Biddeford	M		W	X	X							X								P
M. S. Hancock, Casco	M		WN	X								X								
Timberlands Inc., Dixfield	M		WN																	
MASSACHUSETTS																				
Atlantic Lbr. Co., Boston	MW	50				X	X	X	X	X	X	X						V		O
Chaffee Bros. Co., Oxford	M		WN	X		X	X	X	X		X	X							BC	
Fessenden Companies, Inc., Townsend	M		W									X								
H. A. Stiles & Co., Boston 14	M																			S
NEW HAMPSHIRE																				
Johnson Lbr. Co., Manchester	MW	15	W				X	X	X		X	X							B	
The Kennett Co., Conway	M		WN	X					X			X				A				P
Langdell Lbr. Co., Milford	M		W	X																
John R. Mathes & Son, Dover	M		W	X										D						
NEW YORK																				
Adirondack Core & Plug Co., Carthage	W		W	X	X	X	X	X	X	X	X	X		T						
The Blount Lbr. Co., Lacona	M					X		X	X	X	X				H					
H. M. Booher, Nedrow	MW			X	X	X	X	X	X	X	X	X	Y			AK		H		P
Cotton & Hanlon, Odessa	MW	30	W	X	X	X	X	X	X	X	X	X	Y	D	H	AK	F	HV	C	△
Elliott Hardwood Co., Potsdam	M	5						X	X	X	X									
Emporium Forestry Co., Conifer	M		W	X	X		X	X	X	X	X		YS	T	H	AK	S	H		
Farrell Lbr. Co., Poland	M			X	X	X	X	X	X	X	X									
Greene Lbr. Co., Greene	M		W	X		X	X	X			X	X				A				P
R. T. Jones Lbr. Co., N. Tonawanda	MW	35	WN	X	X								YS	DT	S	A			BC	O
A. Mason & Sons, Inc., Peru	M		WN		X					X		X				AK			B	
J. H. Monteath Co., New York 9	MW			X		X	X	X	X	X	X	X								O
Oval Wood Dish Corp., Tupper Lake	M	25						X	X		X								C	HP
Plunkett-Webster Lbr. Co. Inc., New Rochelle	MW	15	W	X	X	X	X	X	X	X	X	X	Y	DT	SH	AK	FS	HV	BC	O
Warren Ross Lbr. Co., Falconer, N. Y.—See ad., p. 236	W																			
Treat-Nantke Co. Inc., No. Tonawanda	M*	10	W		X								Y		S					△
Ernst Seidelmann, Woolworth Bldg., N. Y. 7—See adv. p. 188	W																			
PENNSYLVANIA																				
Babcock Lbr. Co., Pittsburgh 19—See adv. p. 188	MW	40	W	X			X	X	X		X	X	YS	DT	SH			H	BC	
Cooper-Smith Lbr. Co., Wilkes-Barre	MW	5	W	X		X	X	X	X	X	X	X		T		A				
Everett Hardwood Lbr. Co., Everett	MW	30	W	X		X	X	X	X	X	X	X	Y	DT	SH	AK		H	C	O
Gray Chemical Co., Roulette	M							X	X	X	X									
Fisher & Young, Titusville	MW	5	W	X		X	X	X		X	X	X	Y			A				P

*—Custom Mfrs.
O—Other Woods

P—Poles and Piling
△—Mahogany

HP—Hardwood Pallets
S—Wood Plugs, Rollers, Turnings, Knobs

Northeastern Lumber, Specialties and Other Items

	M—Manufacturer W—Wholesaler	Annual Capacity Million Feet	W—North. White Pine N—Norway Pine	Eastern Hemlock	Eastern Spruce	Ash	Basswood	Beech	Birch	Cherry	Maple	Oak	Y—Yard & Shed Stock S—Softwood Flooring	D—Dimension T—Softwood Timbers	S—Bevel Siding H—Hardwood Flooring	A—Air Dried Rgh. Dimension K—K.D. Rgh. Dimension	F—Finished Dimension S—Semi-Finished Dimension	H—Hardwood Timbers V—Vehicle & Wagon Stock	B—Box Shook C—Crating	Other
PENNSYLVANIA—Continued																				
Endeavor Lbr. Co., Endeavor	M	5	W	X		X	X	X	X	X	X	X	Y	DT		A	F	H		
Wm. Schuette Co., Pittsburgh—See adv. p. 237	W		W																	O
VERMONT																				
C. E. & F. O. Burt Co., Stowe	M		W	X	X				X		X									
Holden & Martin Lbr. Co., Brattleboro	M		W	X	X							X								
Parker & Stearns, Johnson	MW																			
Plant & Griffith Lbr. Co., Jonesville	MW		W	X	X		X	X	X		X	X				A				
Ward Lbr. Co., Moretown	M		W	X				X	X		X	X								

O—Other Woods

Appalachian Hardwood Lumber, Specialties and Other Items

	M—Manufacturer W—Wholesaler	Annual Capacity Million Feet	A—Ash B—Basswood	X—Beech B—Birch	C—Cherry Y—Chestnut	Z—Hickory H—Hard Maple	S—Soft Maple O—Red & White Oak	P—Poplar S—Sycamore	W—Walnut	A—A.D. Rough Dimension K—K.D. Rough Dimension	F—Finished Dimension S—Semi-Finished Dimension	G—Glued Up Dimension I—Interior Trim & Moulding	T—Thresholds, Treads, Risers W—Wall Paneling	C—Construction Boards T—Timbers	Vehicle & Wagon Stock	C—Crating Stock B—Bending Stock	Appalachian White Pine	S—Appalachian Spruce H—Appalachian Hemlock	P—Southern Pine H—Hardwood Flooring	Other
Anchor Lbr. Co., Parkersburg, W. Va.	MW	10	AB	XB	CY	ZH	SO	PS	W	AK		GI	T	T		CB	X	SH	H	
Atlanta Oak Flg. Co., Atlanta 1, Ga.	MW		AB	XB	CY	ZH	SO	PS	W	AK	FS	GI	TW	CT	X	C	X	H	H	O
Atlantic Lbr. Co., 88 Broad St., Boston	MW	50	AB	XB	CY	ZH	SO	PS	W					T	X	B			P	
Babcock Lbr. Co., Pittsburgh 19—See adv. p. 186	MW	40		XB	Y	H	O	PS		A	FS		T	CT		C	X	SH	PH	
L. N. Bagnal, P. O. Box 737, Winston-Salem, N. C.—See p. 198	W		AB	XB	Y	ZH	SO	PS	W	AK	FS	G				C			P	O
J. B. Belcher, Box 8, Bluefield, W. Va.—See adv. p. 207	MW	15	AB	XB	CY	ZH	SO	P	W					T		B				
Bristol Door & Lbr. Co., Bristol, Va.	M	6	AB	X	Y	H	SO	P				GI	T							
D. D. Brown, Elkins, W. Va.—See adv. p. 207	MW		AB	XB	CY	ZH	SO	P	W	AK				CT	X	C			P	
Carr Lbr. Co., Pisgah Forest, N. C.—See adv. p. 235	M	8			Y		SO	P				I					X		H	2
Cherry River Boom & Lbr. Co., Richwood, W. Va.—See p. 207	MW	25	AB	XB	CY	H	SO	P		AK	FS	GI	TW	CT						
Christian Lbr. Co., Monticello, Ky.—See adv. p. 207	MW																			
Conasauga River Lbr. Co., Conasauga, Tenn.	M	16	AB	XB	C	Z	SO	P		A	F				X	C	X	H		
M. E. Crisp Lbr. Co., Welch, W. Va.—See adv. p. 207	M		AB	XB	CY	ZH	SO	P	W											3
Elk River Coal & Lbr. Co., Swandale, W. Va.	M	6	AB	X		ZH	SO	P	W	A				T				H		3
Ely-Thomas Lbr. Co., Camden-on-Gauley, W. Va.	M	12																		
J. M. English Sons' Co., Asheville, N. C.	MW																			
M. B. Farrin Lbr. Co., Cincinnati, O.—See adv. p. 207	MW		AB	XB	Y	ZH	O	P			FS	GI	TW						H	
Gennett Lbr. Co., Asheville, N. C.	M	18	AB	XB	CY	H	SO	P	W						X		X	H	H	
Georgia Hdwd. Lbr. Co., Augusta, Ga.—See adv. p. 217	MW	250	AB	XB	CY	ZH	SO	PS	W	AK			W	CT	X				PH	

2—Plastering Lath 3—Black Gum O—Red & Sap Gum, Mahogany and Softwoods

Appalachian Hardwood Lumber, Specialties and Other Items

	M—Manufacturer W—Wholesaler	Annual Capacity Million Feet	A—Ash B—Basswood	X—Beech B—Birch	C—Cherry Y—Chestnut	Z—Hickory H—Hard Maple	S—Soft Maple O—Red & White Oak	P—Poplar S—Sycamore	W—Walnut	A—A.D. Rough Dimension K—K.D. Rough Dimension	F—Finished Dimension S—Semi-Finished Dimension	G—Glued Up Dimension I—Interior Trim & Moulding	T—Thresholds, Treads, Risers W—Wall Paneling	C—Construction Boards T—Timbers	Vehicle & Wagon Stock	C—Crating Stock B—Bending Stock	Appalachian White Pine	S—Appalachian Spruce H—Appalachian Hemlock	P—Southern Pine H—Hardwood Flooring	Other
Hugo & Arthur Gernt, Allardt, Tenn.	M	12					O	P						T			X	H	P	
Griffith Lbr. Co., Huntington, W. Va.	MW	7	AB	XB	C	ZH	SO	P	W					T		B				
Grissom-Rakestraw Lbr. Co., Burnside, Ky.	MW																			
J. P. Hamer Lbr. Co., Kenova, W. Va.—See adv. p. 207	MW	5	AB			H	O	P						T		B				
Hart-Thompson Lbr. Co., Barbourville, Ky.	M																			
Huntington Hardwood Co., Huntington, W. Va.	M	5	B		C	H	O	P	W											
Hutton & Bourbonnais Co., Hickory, N. C.—See adv. p. 207	M	15			Y		O	P								C	X			
Inter-Mountain Coal & Lbr. Co., Elkins, W. Va.	M	5	AB	XB	C	ZH	SO	P	W											
Kitchen Lbr. Co., Ashland, Ky.	M		AB	X		ZH	S	P	W											3
Marshall Lbr. Co., Marion, N. C.—See adv. p. 207	MW	15	AB	XB	CY	H	SO	P	W						X		X	H		1
May Hardwood Co., Louisville, Ky.—See adv. p. 207	W		B			H	SO	P	W											Z
McCracken & McCall Inc., Lexington 9, Ky.—See adv. p. 207	MW	5	AB	X		ZH	SO	P						CT	X	C				4
Meadow River Lbr. Co., Rainelle, W. Va.—See adv. p. 207	M	25	AB	XB	CY	ZH	SO	P		AK	FS	GI	T	T		B			H	5
Miller Bros. Co., Johnson City, Tenn.	M	25		XB		H	O				FS	GI	T						H	6
T. W. Minton & Co., Barbourville, Ky.	MW	5	AB	X		ZH	SO	P	W	AK	S			T	X	B				7
Moore, Keppel & Co., Ellamore, W. Va.	M		AB	XB	CY	ZH	SO	P												
Morrison, Gross & Co., Erwin, W. Va.—See adv. p. 207	M	6	AB	XB	C	H	SO	P												
Mountain Fork Lbr. Co., Bluefield, W. Va.	M																			
Mowbray & Robinson Lbr. Co., Cincinnati, O.—See adv. p. 207	M		AB	XB	CY	ZH	SO	P	W	A				T	X	CB				
The Mower Lbr. Co., Charleston 28, W. Va.—See adv. p. 186	MW	40	AB	XB	C	ZH	SO	P	W					T	X	C		SH	H	
J. Natwick & Co., Baltimore 2, Md.	MW		AB	X	Y	H	SO	P						T					H	
Oakboro Lbr. Co., Lenoir, N. C.	M	10			Y		O	P									X	H	P	
P. W. Plumly Lbr. Corp., Winchester, Va.—See adv. p. 207	M		AB	XB	C	Z	SO	P		AK										
Poinsett Lbr. & Mfg. Co., Pickens, S. C.	MW	12	AB	XB	CY	Z	SO	PS	W	AK	FS	GI	TW	T	X	CB	X	H	P	8
W. M. Ritter Lbr. Co., Columbus, O.—See adv. p. 207	M	50	AB	XB	CY	ZH	SO	P	W	AK			T			B		H	P	5
D. M. Rose & Co., Knoxville 4, Tenn.	M	5	AB	X	CY	ZH	SO	P	W	AK	S	GI	T	T	X				H	
Schilling Lbr. Co., Parkersburg, W. Va.	MW			X		Z	O	P	W	A				T		B				
Wm. C. Schreiber Lbr. Co., Chicago 16, Ill.—See adv. p. 206	W		AB	XB	CY	ZH	SO	P	W	AK					X				PH	
Stearns Coal & Lbr. Co., Stearns, Ky.—See adv. p. 207	M	15	AB	XB	Y	H	SO	P		A							X	H	P	
Stimson Lbr. Co., Owensboro, Ky.—See adv. p. 207	M	12	AB	X		ZH	SO	PS	W					T				H		
Stuart Lbr. Corp., Stuart 10, Va.	M	4	A	XB	C		SO	PS	W			I	TW						H	6
Thompson Mahogany Co, Philadelphia 36, Pa.	M						O	P	W											TM
Vestal Lbr. & Mfg. Co., Knoxville, Tenn.—See adv. p. 230	M	40	AB	XB	CY	ZH	SO	PS	W	AK				T		CB	X	H	P	
Viall Lbr. Co., Barbourville, Ky.	M																			
Webster Hardwood Lbr. Co., Dixie, W. Va.	M																			
West Virginia Lbr. Co., Elkin, W. Va.	MW	6	AB	XB	CY	ZH	SO	P		A				T		C		SH	H	
Williams-Brownell Planing Mill Co., Asheville, N. C.	MW																			
Wood-Mosaic Co., Inc., Louisville 9, Ky.—See adv. p. 207	MW	20	AB	XB	C	ZH	SO	PS	W					T	X	CB			H	
Wright-Bachman Lbr. Co., Forest City, N. C.	MW																			
J. Walter Wright Lbr. Co., Bristol, Tenn.	MW																			
Zickgraf Hardwood Co., Franklin, N. C.	M																			

1—Black Gum and Buckeye
3—Black Gum
4—Black Gum, Buckeye, Poplar Bevel Siding
5—Poplar Bevel Siding
6—Aromatic Red Cedar
7—Rough Lumber, Broom Handles, Ladder Rungs, Wood Turnings
8—Hardwood Factory Lumber, Furniture Squares
Z—Butternut
TM—Furnish Veneers of practically all Species—Main Lumber Product Mahogany

Northern Hardwood, White Pine, Hemlock and Spruce Lumber and Specialties

	M—Manufacturer W—Wholesaler	Annual Capacity Million Feet	W—Northern White Pine N—Norway Pine	H—Northern Hemlock S—Northern Spruce	A—Ash B—Basswood	B—Birch. X—Beech	X—Chestnut. C—Cherry	S—Soft Elm. R—Rock Elm	H—Hard Maple S—Soft Maple	Y—Yard & Shed Stock L—Lath	D—Dimension T—Timbers	S—Bevel Siding H—Hardwood Flooring	W—White Cedar Shingles L—Log Cabin Siding	F—Factory Lumber I—Industrial Cut Stock	A—Air Dried Rgh. Dimension K—K.D. Rgh. Dimension	F—Finished Dimension S—Semi-Fin. Dimension	G—Glued-up Dimension B—Bending Stock	H—Hardwood Timbers V—Veneer. P—Plywood	B—Construction Boards S—Box Shook. C—Crating	Other
Chas. H. Barnaby, Greencastle, Ind.	M	5			AB	X	C	S	HS						A		B			O
Bay De Noquet Co., Chicago 4, Ill.	M	17	W	HS		XB			HS	Y	D									
Paul B. Berry, Grand Rapids 6, Mich.—See adv. p. 236	W				AB	XB	XC	RS	HS						A					O
Bonifas-Gorman Lbr. Co., Chicago	M	15	W	HS	AB	B		S	HS	Y										
Wm. Bonifas Lbr. Co., Neenah, Wis.	M	20	W	HS	AB	B		S	HS	L										O□
Bowler Lbr. Co., Bowler, Wis.	MW	3	W	H	AB	XB	C	RS	HS	Y										3
Cadillac-Soo Lbr. Co., Grand Rapids 2, Mich.	M	15	W	HS	AB	XB		S	HS	YL				F						
C. M. Christiansen Co., Phelps, Wis.	M	12	W	HS	AB	B		S	HS	Y			L							O
Clark Dickerson Lbr. Co., Reed City, Mich.	MW		W	H	AB	XB		RS	HS											
Cleveland Cliffs Iron Co., Negaunee, Mich.																				WP
Connor Lbr. & Land Co., Marshfield, Wis.—See adv. p. 188	M	50	W	HS	AB	B		RS	HS	Y	D	H	W	F	AK					
Copeland Lbr. Co., Chicago, Ill.	MW	42	W	H	AB	XB	C	S	HS										C	△
Diamond Pole & Piling Co., Escanaba, Mich.	M	4	W	HS		XB			HS											
John E. Fink Lbr. Co., Cable, Wis.	M		WN	H	AB	B		S	H	Y	DT	S		FI	A	F			BC	
Abbott Fox Lbr. Co., Iron Mountain, Mich.	M	16	W	H	AB	B		RS	HS	Y			L	F						
Fry-Fulton Lbr. Co., St. Louis 4, Mo.	W		W			B			H											
Gillies Bros., Braeside, Ont., Canada.—See adv. p. 234	M	30	W							Y	D			F						
Goodman Lbr. Co., Goodman, Wis.	MW	18	W	HS	AB	XB		RS	HS	YL	D	S	L	FI	AK	FS	B	HV	SC	
John Hawley, Ontonagon, Mich.	MW		W	H	AB	B		S	HS	Y			L		A				B	E
Edw. Hines Lbr. Co., Park Falls, Wis.—See adv. p. 209	M		W	HS	AB	B		RS	HS	Y	T				AK				C	
Holt Hardwood Co., Oconto, Wis.—See adv. p. 146	W				B	XB		S	HS			H								*O
Jauquet Lbr. Co., Newald, Wis.	M	2	W	H	AB	B		RS	HS					F	A				BC	
Knoke Lbr. Co., Appleton, Wis.	MW	4	W	H	AB	XB	C	RS	HS	Y	T			F	A				BC	4★
Knudson & Mercer Lbr. Co., Chicago 4—See adv. p. 236	W		W	H						Y	DT									O
Lake Superior Lbr. Corp., Ontonagon, Mich.	M		W	H	AB			RS	HS	Y					AK					
Menominee Indian Mills, Neopit, Wis.—See adv. p. 182	M	22	W	H	AB	XB		RS	HS											O
Menzner Lbr. & Supply Co., Marathon, Wis.	MW																			
Michigan Dimension Co., Manistique, Mich.	M											H			K	FS	G			
Michigan Pole & Tie Co., Newberry, Mich.	M	10	WN	HS		XB			HS		T	S		F	AK	S		H	BC	★
Michigan Maple Block Co., Petoskey, Mich.	MW	8	WN	HS	AB	XB		S	HS			S	WL	FI	AK	S			C	
Frank Paxton Lbr. Co., Kansas City 3—See adv. p. 190	W				AB	XB	XC	S	HS			H		FI						O
Rainy Lake Lbr. Co., Ltd., Chicago 2, Ill.—See adv. p. 168	MW		WN	S						YL	D	S	L	F						
Rib Lake Lbr. Co., Rib Lake, Wis.	MW	40	W	HS	AB	B		RS	HS	YL	DT									O
Robbins Flooring Co., Rhinelander, Wis.	M											H								
Roddis Lbr. & Veneer Co., Marshfield, Wis.	MW	40	W	HS	AB	B		RS	HS	YL	T	SH	WL	F				P	C	†
Underwood Veneer Co., Bessemer, Mich.	M		W		AB	B		S	H	Y								VP		
M. J. Wallrich Land & Lbr. Co., Shawano, Wis.	MW	5	WN	HS	AB	XB	X	RS	HS	YL	DT	S	L	F					C	5
Yawkey-Bissell Lbr. Co., White Lake, Wis.	M	40	W	H	AB	B		RS	HS	Y	DT	H			AK					

*—Graded Hardwood Sawdust
★—Cedar Poles, Ties, Posts
□ Hardwood Squares

†—Hdwd. Ven'nd Doors
△—Vehicle & Wagon Stock
E—Ties and Logs and Graded Hardwood Sawdust

O—Other Woods
3—Red Oak
WP—Wood Products to Customers' Pattern

TL—Ties and Logs

4—Cottonwood, Hickory, Butternut
5—Red & White Oak, Yellow Poplar

Southern Hardwood Lumber, Specialties and Other Items

	M—Manufacturer W—Wholesaler	Annual Capacity Million Feet	A—Ash B—Basswood	X—Beech. C—Cherry	Y—Cottonwood. E—Elm	G—Red & Sap Gum B—Black Gum	T—Tupelo H—Hickory	M—Magnolia S—Soft Maple	O—Red & White Oak P—Pecan	X—Poplar S—Sycamore	W—Walnut L—Willow	A—A.D. Rough Dimension K—K.D. Rough Dimension	F—Finished Dimension S—Semi-Finished Dimension	G—Glued-up Dimension I—Interior Trim & Mouldings	T—Thresholds, Treads, Risers W—Wall Paneling	C—Construction Boards T—Timbers	V—Vehicle & Wagon Stock C—Crating	P—Southern Pine C—Cypress	R—Red Cedar W—White Cedar	Other
ALABAMA																				
S. B. Adams Co., Mobile	M	12	AB	X	YE	GB	TH	MS	O	XS	W					CT	VC	C		#
Cathey Lumber Co., Montgomery	M	18	AB	X	YE	GB	TH	MS	OP	XS						CT		PS		#
Clarke County Lbr. Co., Thomasville	W					GB	T		O	X						CT		P		
Fisher Bros. Lbr. Co., Tuscaloosa	M	9		X	E	GB	TH	S	OP							CT		PC		△
Hallett Mfg. Co., Inc., Mobile 2	M	8	A	X	YE	GB	TH	MS	OP	XS		AK	F	I	T					
Miller & Co., Inc., Selma	M	36	AB	X	YE	GB	TH	MS	O	XS	W	A				T	VC	PC		#
Mobile River Sawmill Co., Mt. Vernon	M	20	A		Y	GB	T	M	O	P						CT	C	C		△#
Pine Plume Lbr. Co., Montgomery 1—See adv. p. 210	MW	40	A	X	YE	GB	TH	MS	O	XS						C	C	P		
Scotch Lbr. Co., Fulton—See adv. p. 224	M	25	A	X	Y	G	H	M	O	X		AK	F			T		P		
Sears Lbr. Co., Mobile	M		A	X	YE	GB	T	M	O	X						T				
W. C. Smith Lbr. Co., Montgomery 3—See adv. p. 347	W		B		YE	GB	TH	MS	O	XS	L	A				CT		P		
W. T. Smith Lbr. Co., Chapman	M	60	AB	XC	YE	GB	TH	MS	OP	XS						T		PC		★
Smith Lbr. Co., Red Bay	M	25	A	X	E	GB	TH	S	O	XS		A	F			CT	C	PC	R	*●
Stutts Lbr. Co., Thomasville—See adv. p. 220	M	20	AB	XC	YE	GB	TH	MS	OP	XS	WL	AK	FS			T	C	PC		
Stutts Sawmill Co., Thomasville—See adv. p. 220	M	18	AB	XC	YE	GB	TH	MS	OP	XS	WL	AK	FS			T	C	PC		
Vredenburg Saw Mill Co., Vredenburg	M	15	A		Y	GB	T	M	O	XS						T		PC		
J. W. Wells Lbr. Co., Montgomery 1—See adv. p. 220	M	100	AB	X	YE	GB	TH	MS	OP	XS						CT		PC		†
Williams & Voris Saw Mill Co., Birmingham	M	6	AB	X	E	GB	T	S	O	XS						CT	VC	P		*△
Youngerman-Reynolds Lbr. Co., Montgomery.—See adv. p. 217	MW		A	X	YE	GB	T		O	X						CT	C	PC		
ARKANSAS																				
J. W. Black Lbr. Co., Corning	M	5	A		YE	GB	TH	S	O							CT	V			*#
Bradley Lbr. Co. of Ark., Warren—See adv. p. 35	M	50		X	E	GB	H		OP	S			S	GI	TW	CT	C	PC		
Breece-White Mfg. Co., Eudora	M	8	A		YE	G		S	OP	S	L					T		C		
Crossett Lbr. Co., Crossett	M	48	A	X	E	GB			OP	S		AK		I	TW	CT	VC	PC		#
Dacus Lbr. Co., West Memphis	M	8	A		YE	GB	TH	S	OP	S	L					T		C		
F. T. Dooley Lbr. Co., Brinkley	M	8	A		YE	GB		S	O	S						T		C		
Fordyce Lbr. Co., Fordyce	M	24	AB	XC	E	GB	H	S	O	S		AK	FS	I	TW	CT	VC	PC		#
Howe Lbr. Co., Helena	M	6	A		Y	G		S	OP	S	L					T				
Keystone Lbr. Co., Camden	M	14				GB			O							T		P		
McLean-Arkansas Lbr. Co., Little Rock	M	8	A		YE	GB			O	S						T		C		
Northern Ohio Co., Parkin	M	6	A		YE	GB	T	S	OP	S						T		C		
Ozan Lbr. Co., Prescott—See adv. p. 208	M	25	A		E	GB	TH		OP	S	L	K				CT		C		
Reynolds-Gammill Lbr. Co., El Dorado	M	30	A	X	E	GB	T		O							CT	C	PC		*
Carlton Smith, Bearden—See adv. p. 178	M												S	G						
Southern Lbr. Co., Warren	M	20		X		G	H		O			K	F	I	TW	CT	C	PC		
Sparkman Hardwood Lbr. Co., Sparkman	M	8	AB	X	E	GB			O	S						CT	C	C		RT
Stimson-Katterhenry Trust, Dumas	M	9	A		E	G			O							T		C		
Townsend Bros., Stuttgart	M	14			YE	G			OP	S	L					T				
Wheeler Lbr. Co., Pine Bluff	M	7	A	X	YE	GB	T	S	O	S						T		C		
J. L. Williams & Sons, Sheridan	M	12				GB	TH		O							CT	V	P		●
Williams Mfg. Co., Sheridan	MW	25				GB	T		O	S			S			T	V	P		I
W. R. Wrape Stave Co., Little Rock	M	30				GB	T		OP			AK	FS	GI	TW					
DISTRICT OF COLUMBIA																				
Paul B. Kern Lbr. Co., Washington	W		AB	X		GB	T		SO	X								PC		

‡—Bending Stock
△—Poplar Aircraft Stock

★—Birch
*—Car Material

†—Veneer
RT—R.R. Ties, Mine Ties

●—2x4 & Wdr. R/L Gr. Dimension
1—4/4 K. D. Gum S2S

Southern Hardwood Lumber, Specialties and Other Items

	M—Manufacturer W—Wholesaler	Annual Capacity Million Feet	A—Ash B—Basswood	X—Beech. C—Cherry	Y—Cottonwood. E—Elm	G—Red & Sap Gum B—Black Gum	T—Tupelo H—Hickory	M—Magnolia S—Soft Maple	O—Red & White Oak P—Pecan	X—Poplar S—Sycamore	W—Walnut L—Willow	A—A.D. Rough Dimension K—K.D. Rough Dimension	F—Finished Dimension S—Semi-Finished Dimension	G—Glued-up Dimension I—Interior Trim & Mouldings T—Thresholds, Treads, Risers W—Wall Paneling	C—Construction Boards T—Timbers	V—Vehicle & Wagon Stock C—Crating	P—Southern Pine C—Cypress	R—Red Cedar W—White Cedar	Other
FLORIDA																			
Foley Lbr. Industries, Jacksonville 1	W					GB	T	MS	O	X					T		PC		
Paterson-McInnis Lbr. Co., Gulf Hammock	M	25	AB	C	E	GB	T	MS	OP						T		PC	R	
Jerome H. Sheip Co. Inc., Apalachicola	M	14	A		Y	GB	T		O				S	G	CT		C		
St. Joe Lbr. & Export Co., Port St. Joe	M	24	A			GB	T	M		X					CT	C	PC		•
Thomas Lbr. & Mfg. Co., Quincy	M	8			E	G	T	M		X					T		P		
GEORGIA																			
Augusta Hardwood Co., Augusta—See adv. p. 217	M	12	A		YE	GB	TH	MS	O	XS		AK					PC		
Chatsworth Lbr. Co., Chatsworth	M	9							O	X					T	C	P		
Chattahoochee Valley Lbr. Co., La Grange—See adv. p. 236	M	12	A			G			O	X						C	P		
Cleveland-Oconee Lbr. Co., Toomsboro	MW	6	A		YE	GB	TH	MS	O	XS					CT	C	PC		
Georgia Hardwood Lbr. Co., Augusta—See adv. p. 217	MW	250	AB	XC	YE	GB	TH	MS	OP	XS	WL	AK		W	CT		PC	RW	Z
Jeffreys-McElrath Mfg. Co., Macon	M	45	A		Y	GB		S	O	XS							P		1
McCann Lbr. Co., Doctortown	M	12	A		E	G	T	MS	O	X		K			CT		PC		
Northcutt Lbr. Sales Corp., Sandersville	W		A	X	YE	GB	TH	MS	O	XS							PC		
Pratt Lbr. Co., Covington	M					GB	T	S	O	X					C		P		
Reynolds Bros. Lbr. Co., Albany	M	12	A	X	YE	G	TH	MS	O	XS		AK	S	I T	CT		PC		△1
Reynolds & Manley Lbr. Co., Savannah—See adv. p. 217	M	18	A		E	GB	T	MS	O	X					T	C	PC		
Rush Lbr. Co., Hawkinsville	M	8	A	X	YE	GB	TH	MS	OP	XS					CT		C		
J. W. Starr & Sons Lbr. Co., Atlanta	M	25				GB			O	X		A	F		T	VC	P		
Sullivan Lbr. Co., Preston	M	15	A	X	YE	GB	TH	MS	O										
Swainsboro Lbr. Co., Swainsboro	MW	12	A		YE	GB	HT	MS	O	XS							PC		
ILLINOIS																			
Graham Lbr. Co., Chicago 4	W		B			GB	T	S	O	X						C			V
Geo. J. Silbernagel, Chicago 3—See adv. p. 176	W					GB	T												
KANSAS																			
Frank Paxton Lbr. Co., Kansas City 3—See adv. p. 190	W		AB	XC	YE	GB	TH	MS	OP	XS	WL			W		V	PC	R	2
KENTUCKY																			
Brown Lbr. Co., Louisville 8	W	24				GB	T		O	X					CT		P		
Gamble Bros. Inc., Louisville	M											K	FS	G	T				
The Mengel Co., Louisville 1—See adv. p. 49	M	20	AB	X	YE	GB	TH	MS	OP	XS	L	AK	FS	G W			C		12
R. C. Owen Co., Hopkinsville	M	12	A	XC	YE	GB	H	S	O	XS	W	AK	FS	I TW	T	V		R	
Stimson Lbr. Co., Owensboro—See adv. p. 207	M	8	AB	X	E	G	H	S	O	XS					T				
LOUISIANA																			
Davis Bros. Lbr. Co. Ltd., Ansley	M	9	A	X	E	GB	H		O										
Frost Lbr. Industries, Shreveport—See adv. p. 149	M	175	AB	XC	YE	GB	TH	MS	OP	S		K	S	I TW	CT	VC	PC		6
Hardwood Lbr. Co. of La. Inc., Lake Charles	M	14				G	T	M	O						T		C		
Hillyer Deutsch Edwards Inc., Oakdale	M	24	A	XC	YE	GB	TH	M	OP	S	L	AK	FS	G	T	VC	PC		#
J. W. Jeffries Lbr. Co., Shreveport	M	8	AB	X	YE	GB	TH	MS	OP	S					CT		PC		•
Kellogg Lbr. Co., Monroe	M	9	AB	X	YE	GB	TH	MS	OP	XS	L				CT		C		•
King-Edwards-Fuller Co., St. Francisville	M	17	AB	XC	YE	GB	TH	MS	OP	XS	WL				CT	VC	PC		•
Louisiana Central Lbr. Co., Clarks—See adv. p. 217	M	12	A	X	E	GB		M	OP	XS					CT	V	C		
F. C. Luthi & Co., New Orleans 12—See adv. p. 216	W																		I
Mansfield Hardwood Lbr. Co., Shreveport	M	24	AB	XC	YE	GB	TH	M	OP	S				I	CT	VC	PC		•3

#—Bending Stock
△—Poplar Aircraft Stock
•—Car Material
12—Boxes, Box Shook, Plywood & Veneer

1—Boxes, Box Shook
2—Plywood & Veneer
3—Box Shook
V—Veneer

I—Importers of Balsa and Other Tropical Woods
6—Car Material, Bending Stock, Treated Lumber

Z—Buckeye, Butternut, Hackberry, Mahogany, Teak

Southern Hardwood Lumber, Specialties and Other Items

	M—Manufacturer W—Wholesaler	Annual Capacity Million Feet	A—Ash B—Basswood	X—Beech. C—Cherry	E—Elm. Y—Cottonwood	G—Red & Sap Gum B—Black Gum	T—Tupelo H—Hickory	M—Magnolia S—Soft Maple	O—Red and White Oak P—Pecan	X—Poplar S—Sycamore	W—Walnut L—Willow	A—A.D. Rough Dimension K—K.D. Rough Dimension	F—Finished Dimension S—Semi-Finished Dimension	G—Glued-up Dimension I—Interior Trim & Mouldings	T—Thresholds, Treads, Risers W—Wall Paneling	C—Construction Boards T—Timbers	V—Vehicle & Wagon Stock C—Crating	P—Southern Pine C—Cypress	R—Red Cedar W—White Cedar	Other
LOUISIANA—Continued																				
Roy O. Martin Lbr. Co., Alexandria	M	10	A	X	E	GB	TH	MS	OP	S	L				W	CT	C	PC		
May Bros., Garden City	M	30	AB	XC	YE	GB	TH	M	OP	XS	L					CT	VC	PC		
McCarroll Lbr. Co., Denham Springs	M	8		X		GB	TH	M	OP	XS						T		PC		4
Newellton Hardwood Co., Newellton	M	9	A		YE	G		S	OP	S	L					T		C		
Schwing Lbr. & Shingle Co., Plaquemine	M	15			YE	G	T	S	OP	S	L			I		CT		C		EC
E. Sondheimer Co., Sondheimer	M	11	A		YE	G	TH	S	OP	S	L					T		C		
Thistlethwaite Lbr. Co., Opelousas	M	8	AB	X	YE	GB	TH	M	OP	S	L							C		
Turner Lbr. Co., Le Moyen	M	11	AB		YE	GB	T	S	OP	S	L					T		C		
Urania Lbr. Co., Urania—See adv. p. 54-217	M	18	A	X	E	GB	TH	M	OP	XS		A	S			CT	VC	PC		
Weaver Bros. Lbr. Co., Shreveport	M	12	AB	XC	YE	GB	TH	MS	OP	S						T		PC		
Woodward-Walker-Bowen, Inc., Shreveport 94—See adv. p. 231	W			X		GB			O								C	PC		
MARYLAND																				
Arthur V. Charshee & Son, Baltimore 18—See adv. p. 210	W		A		Y	GB			O	X		AK								
John Taylor, Catonsville 28	W		A	X	YE	GB	T	S	O	X								P		
MASSACHUSETTS																				
Atlantic Lbr. Co., Boston	M	50	AB	XC	YE	GB	TH	MS	OP	XS	WL					T	V	PC	R	#
MISSISSIPPI																				
Bailey Lbr. Co., Ltd., Laurel—See adv. p. 217	M	12	AB	X	YE	GB	TH	MS	O	XS						CT	VC	PC		*#
Burdette Lbr. Co., Meridian	MW	25				5	5		O	X						T		P		
Denkmann Lbr. Co., Canton	M	18	A	X	E	GB	TH	MS	O	XS		AK	F	G		T	C	PC		
A. De Weese Lbr. Co., Philadelphia	M	20				GB			O	X		A	F			C		P		#6
D. L. Fair Lbr. Co., Louisville	M	30	B			G	H		OP	X		AK	FS	GI	T	CT	C	P		
Gooch Bros. Lbr. Co., Yazoo City	M	7	AB	X	YE	GB	H	S	O	XS						T		C		
D. H. Hall Lbr. Co., Columbus	M	7	A	X	YE	GB	T	S	OP	XS						T		C		*
Hall-Inzer Lbr. Co., Amory	M	5	A	X	YE	GB	T	S	OP	XS	WL					T		PC		*
Hall & Neely, New Albany	M	5	A	X	YE	GB	TH	S	O	XS	W					T		C		
Henderson-Molpus Co., Philadelphia	M	12		X		GB	T		O	X		AK	F	I	T	T	C	P		
Houston Bros., Vicksburg	M	10	AB	XC	YE	GB	TH	MS	OP	XS	WL	A	S			T	VC	PC		
J. M. Jones Lbr. Co., Natchez—See adv. p. 217	MW	24	AB	XC	YE	GB	TH	MS	OP	XS	WL	AK	FS			CT	VC	PC		#
R. S. Learned & Son, Natchez	M	9	AB	X	YE	G		S	OP	XS	L					T				
Link-Newcomb Mill & Lbr. Co., Tchula	M	12	AB	X	YE	GB	TH	S	OP	XS	L					CT	C	C		
McGraw-Curan Lbr. Co., Yazoo City—See adv. p. 217	M	9	B	XC	YE	GB	TH	MS	OP	XS	L					T		C		
W. A. Ransom Lbr. Co., Natchez	M	12	AB	XC	YE	GB	TH	MS	OP	XS	L					CT	V	C		*△
Sallis Lbr. Co., Brandon	M		AB	XC	YE	GB		MS	O	X								P		
Stewart-Farris & Myers Lbr. Co., Morton—See adv. p. 166	M	15	A	X	E	GB	T	M		XS		AK	FS	I		C	C	P		
R. A. Vinton Lbr. Co., Greenwood	M	7	A	X	YE	GB	TH	S	OP	XS	L					T		C		
Wax Lbr. Co., Woodville—See adv. p. 217	M	18	AB	XC	YE	GB	TH	MS	OP	XS	WL	A	F			CT	C	PC		
Williams & Voris Hardwood Co., Jackson	M	5	AB	XC	YE	GB	TH	MS	OP	XS						T		C		
W. W. Woody Lbr. Co., Keirn	M	5	A	X	YE	GB	TH	S	OP	XS	L					T		C		
MISSOURI																				
Canthook Lbr. Co., St. Louis 1	MW				YE	G		S	O	XS						CT		PC		
Dierks Lbr. & Coal Co., Kansas City 6—See adv. p. 216	M	100				GB			O			AK		I	T	C	C	P		
Exchange Sawmills Sales Co., Kansas City	MW	60	A	X		GB	T	M	OP	XS	L					C	C	PC		
W. T. Ferguson Lbr. Co., St. Louis 1—See adv. p. 182	MW	50	A	X	YE	GB	T	MS	O	XS	L	AK	S			CT	VC	PC		8
Fry-Fulton Lbr. Co., St. Louis 4	W		AB	XC	YE	GB	TH	MS	OP	XS	WL	AK								7

#—Bending Stock
*—Car Material
EC—Egg Case Ends & Centers
6—Rgh. Bds., Finished Bds.
△—Poplar Aircraft Stock
4—Box Shook and Grain Doors
7—Mahogany
8—Grain Doors

Southern Hardwood Lumber, Specialties and Other Items

	M—Manufacturer W—Wholesaler	Annual Capacity Million Feet	A—Ash B—Basswood	X—Beech, C—Cherry	E—Elm, Y—Cottonwood	G—Red & Sap Gum B—Black Gum	T—Tupelo H—Hickory	M—Magnolia S—Soft Maple	O—Red and Dhite Oak P—Pecan	X—Poplar S—Sycamore	W—Walnut L—Willow	A—A.D. Rough Dimension K—K.D. Rough Dimension	F—Finished Dimension S—Semi-Finished Dimension	G—Glued-up Dimension I—Interior Trim & Mouldings	T—Threshold, Treads, Risers W—Wall Paneling	C—Construction Boards T—Timbers	V—Vehicle & Wagon Stock C—Crating	P—Southern Pine C—Cypress	R—Red Cedar W—White Cedar	Other
MISSOURI—Continued																				
Gaines Hardwood Lbr. Co., St. Louis	MW		AB	XC	YE	GB	TH	MS	OP	XS	WL					T	V	C	R	*#
Gideon-Anderson Lbr. Co., Gideon	W	6		X	YE	GB	T	S		S							C	C		1
Hobac Veneer & Lbr. Co., Caruthersville	M	7	A		YE	G		S	OP	S						T		C		
M. E. Leming Lbr. Co., Cape Girardeau	M	4		X	YE	G	H	S	OP	XS	L					CT		C		4
Long-Bell Lbr. Co., Kansas City 6	M		AB	X	E	GB	TH	S	O	XS						T	V	P		*
Midland Valley Lbr. Co., St. Louis 8	MW	12	AB	XC	YE	GB	TH	MS	OP	XS	WL					C	VC	PC	RW	
Sabine Lbr. Co., St. Louis	M	75	AB	X	YE	GB	H	M	OP	S		A				T		P		
Thomas & Proetz Lbr. Co., St. Louis	MW		A	XC	YE	GB	T	MS	OP	XS	WL	A	S			CT	C	PC		
H. E. Webster Lbr. Co., Kansas City 6.	W		AB	X	YE	G	TH	MS	OP	XS	WL							PC	R	
NORTH CAROLINA																				
L. N. Bagnal, P. O. Box 737, Winston-Salem—See adv. p. 198	W		AB	X	YE	GB	TH	MS	O	XS	L	AK	FS	G	W		C	PC		N
P. M. Barger Lbr. Co., Statesville	W		AB	XC	YE	GB	TH	MS	OP	XS	L						C	PC	R	
E. N. Beard Lbr. Co., Greensboro	W		AB	X	YE	GB	TH	MS	OP	XS	L		S			T	C	PC		#
C. K. Callaham & Sons Lbr. Co., Charlotte			A	X	YE	GB	TH	MS	O	XS	L					CT	VC	P		
J. E. Elrod Lbr. Co., Charlotte	MW							S		X						CT		PC		
Gennett Lbr. Co., Asheville																				
Greene Bros. Lbr. Co., Elizabethtown	M	15				G	T	S	O	X								PC		
Saunders & Cox, Williamston	M	7	A		Y	GB	T	S	O	S						CT		PC		
So. Atlantic Lbr. Co., Greensboro	MW						T		O	X						C	C	PC		
W. M. Storey Lbr. Co., Winston-Salem	MW					GB	T		O	X						CT	C	P		
Triplett Lbr. Co., Lenoir	W	4	AB	X	YE	GB	TH	S	OP	XS	L	AK	F			CT	VC	PC		
SOUTH CAROLINA																				
Argent Lbr. Co., Hardeeville	M	18	A			GB	T	S		X				I	W	C				4
Brooklyn Cooperage Co., Sumter	M	30	A		Y	G	T					AK						C		
Coastal Lbr. Co., Lake City	M	7	A		YE	GB	T	S	O	XS						CT		PC		10
Conway Lbr. Co., Conway	M	12				GB	T	S		X						T		PC		10
Hoffman Lbr. Co., Columbia	M	12	A		YE	GB	T	S	O	XS						CT		C		10
Holly Hill Lbr. Co., Holly Hill	M	17	A		YE	GB	T	S	O	XS		AK	FS	GI	TW	CT	C	PC		11
Holly Hill Cypress Co., Holly Hill	M	19	A		E	GB	T	S	O	X		AK	FS	GI	TW	CT	C	PC		10
Korn Industries, Inc., Sumter	M	15	A		YE	GB	TH	S	OP	XS		AK	FS	GI	TW	CT	C	PC		14
G. F. League Lbr. Co., Greenville—See adv. p. 236	W		AB	X	Y	GB	T		O	XS		AK				C	C	P		
Lexington Lbr. Co., Columbia	M	15	A		Y	GB	T	S	O	XS						CT	C	PC		
Lightsey Bros., Miley—See adv. p. 217	M	18	A		E	G	T	S	O	X						T		PC		
Santee River Hardwood Co., St. Stephen	M	12	A		YE	GB	TH	S	OP	XS								PC		10
TENNESSEE																				
Anderson-Tully Co., Memphis 10—See adv. p. 217	M	75	AB	XC	YE	GB	TH	MS	OP	XS	WL	AK	FS	G	T		VC	PC		12
Bellgrade Lbr. Co., Memphis	M	24	AB	X	YE	GB	TH	MS	OP	XS	WL					T		C		
C. P. Bodine Lbr. Co., Memphis	MW	7			YE	GB	T	S	OP	S						T		C		
A. M. Bowen Lbr. Co., Dyersburg	M	7	AB	X	YE	GB	H	S	OP	XS	W	A				CT	C	C		11
E. L. Bruce Co., Memphis 1	M	100	AB	X	YE	GB	TH	MS	OP	XS		AK	FS	GI	T	T		PC		
Farris Hardwood Lbr. Co., Nashville																				
Chapman & Dewey Lbr. Co., Memphis—See adv. p. 217	M	18	A	X	YE	GB	TH	S	OP	XS	L			I	TW	CT	C	C		10
Frank A. Conkling Co., Memphis 3	MW	15	AB	X	YE	GB	TH	MS	OP	XS	L	AK	S	G		T	VC	C		12

*—Car Material
1—Boxes, Box Shook
N—Plywood, Veneer and All Hardwood Items for Furniture Trade
10—Cypress Siding
11—Poplar & Cypress Siding
12—Plywood & Veneer
#—Bending Stock
14—Gum Veneer, Flitches & Logs
4—All Items Hardwood Lumber for Furniture Trade

Southern Hardwood Lumber, Specialties and Other Items

	M—Manufacturer W—Wholesaler	Annual Capacity Million Feet	A—Ash B—Basswood	X—Beech. C—Cherry	Y—Cottonwood. E—Elm	G—Red & Sap Gum B—Black Gum	T—Tupelo H—Hickory	M—Magnolia S—Soft Maple	O—Red & White Oak P—Pecan	X—Poplar S—Sycamore	W—Walnut L—Willow	A—A.D. Rough Dimension K—K.D. Rough Dimension	F—Finished Dimension S—Semi-Finished Dimension	G—Glued-up Dimension I—Interior Trim & Mouldings	T—Thresholds, Treads, Risers W—Wall Paneling	C—Construction Boards T—Timbers	V—Vehicle & Wagon Stock C—Crating	P—Southern Pine C—Cypress	R—Red Cedar W—White Cedar	Other
TENNESSEE—Continued																				
Fulton Band Mill, Memphis	M	7		X	YE	GB	T		O	XS						T		C		
C. M. Gooch Lbr. Co., Memphis	M	32	AB	XC	YE	GB	TH	MS	OP	XS	WL					T		C		
Hutcheson Lbr. Co., Jackson	M	4	A		Y	G		S	O	XS								C		
Jackson Sawmill Co., Jackson	M	9	A	X	YE	GB	T	S	O	XS	W					T	VC			#
Miller & Co., Jackson	M	4	A	XC	YE	GB	TH	S	O	XS	W					T	V	C	R	#
Miss.-Valley Hardwood Co., Memphis	M	26	A	X	YE	GB	TH	MS	OP	XS	WL							C		14
Nickey Bros., Inc., Memphis 12—See adv. p. 59	MW	12	AB	XC	YE	GB	TH	MS	OP	XS	WL	AK	FS	I	TW	CT	V	C	R	
Phillips Wood Products Co., Memphis 4	W		A	XC	YE	GB	TH	S	OP	XS	WL	AK	FS	GI	TW	CT	VC	P		15
Shannon Bros. Lbr. Co., Memphis	M	14	A	X	YE	G	T	S	OP	S	L					T		C		
The Southern Star Lbr. Co., McKenzie	M	5	A	XC	E	GB	TH	S	O	XS	W									
James E. Stark Co., Memphis 10	M	12	AB	XC	YE	GB	TH	S	OP	XS	WL		FS	GI	TW	T	V	C	R	16
Thompson-Katz Lbr. Co., Memphis	W		A																	17
United Timber & Lbr. Co., Memphis	M	11	AB	XC	YE	GB	TH	MS	OP	XS	L	A	S	I		CT		PC		18
Vestal Lbr. & Mfg. Co., Knoxville—See adv. p. 207-230	M	40	AB	XC	YE	GB	TH	S	OP	XS	WL	AK				T	C	PC	R	#
Walker & Smith Lbr. Co., McMinnville	MW	5	AB	XC	E		H		O	X	W					T			R	
Welsh Lbr. Co., Memphis	M	11	A	X	YE	GB	TH	S	OP	XS	L					T		C		
Williams & Voris Lbr. Co., Chattanooga	M	8	AB	XC	YE	GB	TH	MS	O	XS	W				T	CT	V	PC	RW	
Woods Lbr. Co., Memphis—See adv. p. 217	MW	20	A	X	YE	GB	TH	S	OP	XS	L					T		C		
Bedna Young Lbr. Co., Jackson	MW					G		S	O	X						T				
TEXAS																				
Angelina Hardwood Sales Co., Lufkin	M	26	A		E	GB	TH	MS	OP	S	W	AK	FS			CT	VC	C		
W. T. Carter & Bro., Houston—See adv. p. 190	M	8	AB	X	E	GB	H	M	O	S						CT	V	PC		*
Edens-Birch Lbr. Co., Corrigan	M	25	A		E	GB		M	OP	S			F							
J. S. Hunt Lbr. Co., Nacogdoches—See adv. p. 186	M	12				GB						K	F			T		P		
Kirby Lbr. Corp., Houston 1—See adv. p. 229	MW	20	A	X	E	GB	H	M	OP	S						T		PC		
Sabine Lbr. Co., Houston	M	15	AB	X	YE	GB	H	MS	OP	S	WL	A				T	C	PC		
Southern Pine Lbr. Co., Texarkana	M	90	AB	XC	YE	GB	TH	M	OP	S	W	K	FS	GI	T	T		PC		
E. A. Stewart Lbr. Co., Texarkana	M	37	A		YE	GB	TH		OP		WL	AK	FS	I	T	CT	V	C		*#
J. E. Stone Lbr. Co., Nacogdoches	M	12	A	X	E	GB	H	M	O	S	W			I	W	CT	VC	P		*
Temple Lbr. Co., Pineland	M	9	AB	X	E	GB	H	MS	O			AK	FS	G	T	CT		C		*
Texas Hardwood Mfg. Co., Dallas	MW											AK								
Tilford-Hunt Lbr. Co., Nacogdoches—See adv. p. 186	MW	18				GB	T		O			AK	F					P		
VIRGINIA																				
Camp Mfg. Co., Franklin	M	70	A	X	E	GB	T	S	O	XS				I		CT	C	PC	W	10
Richmond Cedar Works, Norfolk	M	33	A		E	GB	T	S	O	X				I	W	CT	C	PC	W	19
Williams & McKeithan Lbr. Co., Lynchburg	MW	40	A	X		GB	TH	S	O	XS		A	F			CT	C			

#—Bending Stock
10—Cypress Siding

15—Stacking Sticks
16—K.D. Casket Shells, Completed Furniture & Parts, Show Cases

17—Ash Specialists
18—Hickory Dimension, Ski Billets
*—Car Material

19—Cypress Siding—Also Stacking Sticks

Southern Pine, Cypress, Hardwoods, Specialties

	M—Manufacturer W—Wholesaler	Annual Capacity Million Feet	Shortleaf Yellow Pine	Longleaf Yellow Pine	Cypress	Southern Hardwoods	Yard & Shed Stock	D—Dimension T—Timbers	L—Lath C—Cedar Closet Lining	Interior Trim & Mouldings	X—Pine Bev. Sd. D—Drop Sd. C—Cyp. Sd. P.—Poplar Sd.	Flooring X—Pine. C—Cypress	H—Hardwood Flooring C—Hardwood Constr. Boards	F—Factory Lumber I—Industrial Cut Stock	X—Box Shook & Crating C—Crating Only	K. D. Window & Door Frames	L—Log Cabin Siding K—Knotty Paneling	R—Roofers. B—Boards	C—Car Material T—Treated Stock	Other
ALABAMA																				
Allison Lbr. Co., Bellamy	M	16	X			X									X					
Beatrice Lbr. Co., Beatrice	M	12	X			X	X	DT												
W. A. Belcher Lbr. Co., Birmingham	MW	20	X	X			X	DT	L	X	X	X			C					
W. E. Belcher Lbr. Co., Centerville	M	30	X	X		X	X	DT		X	X	X								
A. B. Carroll Lbr. Co., Hurtsboro	M	25	X															R		
Clarke County Lbr. Co., Thomasville	W		X	X		X	X	DT					H		X					O
Dadeville Lumber Co., Dadeville	M	20	X	X		X	X	DT		X	D	X						B	C	
F. M. Downing Lbr. Co., Gordo	MW	15	X			X	X	T			D									P
Foshee Lbr. Co., Box 544, Montgomery	M	12	X	X		X	X								C					
Gulf Lbr. Co., Mobile	M	30	X	X			X	D			X	X		I						
Hallett Mfg. Co. Inc., Box 171, Mobile	M	8	X		X	X	X	DT		X	X		H	F						
Jefferson Lbr. Co., Birmingham	MW	45	X	X				DT			X	X							C	
W. M. McGowin Lbr. Co., Pine Apple	M	18	X	X		X	X	DT			D	X						R		
Miller & Co., Inc., Selma	M	36	X	X	X	X		DT			XD									
T. R. Miller Mill Co., Brewton	M	25	X	X			X	DT	C		X	X	HC	I	X			BR	CT	
Nettles Lbr. Co., Land	M	18	X	X			X	DT			X	X								
Pine Plume Lbr. Co., Montgomery—See adv. p. 210	MW	40	X	X		X	X	D			XC	X		I	X				C	
Ralph Lbr. Co., Hillwood	M	15		X		X	X	DT			X	X		I	X				C	
Scotch Lbr. Co., Fulton—See adv. p. 224	M	25	X	X		X	X	DT		X	X	X	H					B	C	
Shepherd Lbr. Corp., Montgomery	M	35	X			X	X	D			X	X			C				C	
Sims Lumber Co., Selma	M	8	X	X		X	X	D		X										
Smith Lbr. Co., Red Bay	M	25	X		X	X	X	DT	C		XP	X	C	FI	X					
W. C. Smith Lbr. Co., Montgomery 3—See adv. p. 347	W		X	X		X	X	DT	L			X	HC	I	X			BR		
W. T. Smith Lbr. Co., Chapman	M	60	X	X	X	X	X	DT	L	X	X	X		I	X				C	
M. W. Smith Lbr. Co., Jackson	M	30	X	X		X	X	DT			X	X		I						
Steel City Lbr. Co., Birmingham 3	W		X	X	X	X	X	DT	L	X	XC	X	H	FI	X			BR	CT	O
Stringfellow Lbr. Co., Birmingham	MW	25	X	X		X	X	DT	L			X		FI	XC			BR		
Stutts Lbr. Co., Thomasville—See adv. p. 220	M	20	X	X	X	X	X	DT	L	X	XC	X								
Stutts Sawmill Co., Thomasville—See adv. p. 220	M	18	X	X	X	X	X	DT	L	X	XC	X								
Summerville Bros. Lbr. Co., Aliceville	M	10	X			X		D							C			B		
J. W. Wells Lbr. Co., Montgomery—See adv. p. 220	MW	100	X	X	X	X	X	DT						I						
Wood Lbr. Co., Birmingham	MW		X	X		X	X	DT						FI	XC			BR	CT	O
ARKANSAS																				
Bradley Lbr. Co. of Ark., Warren—See adv. p. 35	MW	50	X		X	X	X	D	C	X	XC	X	HC	FI	X	X	LK			
Cook Co., A. B., Malvern	M		X				X	D		X	X	X	H							
Fordyce-Crossett Sales Co., Crossett & Fordyce	M	100	X		X	X	X	DT	L	X	X	X	H	FI	X	X			T	
Ozan Lbr. Co., Prescott—See adv. p. 208	M	25	X			X	X	D	L	X	X	X		F	X		L			
Pierce & Young Lbr. Co., Morrilton	M	30	X			X	X	DT			X	X							C	
Southern Lbr. Co., Warren	M	45	X			X	X	DT	L	X	X	X	H	FI	X					
Southern Pine Lbr. Co. (See Texas Listing)																				
Waldo Lbr. Co., Waldo	M	15	X				X	DT		X	X	X								
Williams Mfg. Co., Sheridan	MW	25	X			X	X	T				X		FI						
DISTRICT OF COLUMBIA																				
Paul B. Kern Lbr. Co., Washington	W		X		X	X	X	D		X	X	X			C			B		O
FLORIDA																				
Alger-Sullivan Lbr. Co., Century—See adv. p. 146	M	25		X			X	T		X	X	X						B	C	

P—Posts O—Other Softwoods

Southern Pine, Cypress, Hardwoods, Specialties

	M—Manufacturer W—Wholesaler	Annual Capacity Million Feet	Shortleaf Yellow Pine	Longleaf Yellow Pine	Cypress	Southern Hardwoods	Yard & Shed Stock	D—Dimension T—Timbers	L—Lath C—Cedar Closet Lining	Interior Trim & Mouldings	X—Pine Bev. Sd. D—Drop Sd. C—Cyp. Sd. P—Poplar Sd.	Flooring X—Pine. C—Cypress	H—Hardwood Flooring C—Hardwood Constr. Boards	F—Factory Lumber I—Industrial Cut Stock	X—Box Shook & Crating C—Crating Only	K. D. Window & Door Frames	L—Log Cabin Siding K—Knotty Paneling	R—Roofers. B—Boards	C—Car Material T—Treated Stock	Other
FLORIDA—Continued																				
Brooks-Scanlon Corp., Foley—See adv. p. 199	M	100		X			X	DT	L	X	X	X		I					T	
Cummer Sons Cypress Co., Jacksonville	M	15			X		X	DT		X	C	C		F			L			S
Foley Lbr. Industries, Jacksonville 1	W		X	X	X	X	X	DT	L	X	DC	XC	H	F			LK	B	T	
C. J. Jones Lbr. Co., Everglades	M	12		X	X			T			X	X		I	X				C	
Lee Cypress Co., Perry	M	35			X		X	DT						FI	X					
Neal Lbr. & Mfg. Co., Blountstown	M	12	X	X			X	DT			D	X								
Peavy-Wilson Lbr. Co., Holopaw—See adv. p. 188	MW	25		X	X		X	DT			XC	X		FI					C	
Putnam Lbr. & Export Co., Jacksonville	W		X	X	X	X	X	DT	L	X	X	X	H	FI		X		B	CT	
Thomas Lbr. & Mfg. Co., Quincy	M	12	X	X		X	X	D	L	X	X	X	H	X	X	X	X	B	C	
GEORGIA																				
Alexander Bros. Lbr. Co., Columbus	M	15	X			X	X	D												
W. R. Altman Lbr. Co. Inc., Sylvania	M	10	X	X	X	X		T		X	X	X						R		
Atlanta Oak Flooring Co., Atlanta	MW		X		X	X			C	X		X	H	FI			K	B	C	G
Augusta Hardwood Co., Augusta—See adv. p. 217	M	20	X	X	X	X	X	DT		X	XP	X						BR		
J. N. Bray Lbr. Co., Valdosta	M	10	X	X			X	DT		X	D	X						R		
Brownlee Lbr. Mfg. Co., Cedartown	M	6	X			X	X													
Chatsworth Lbr. Co., Chatsworth	M	10	X			X	X	DT			XP	X		FI						N
Chattahoochee Valley Lbr. Co., La Grange—See adv. p. 236	M	12	X			X	X													HC
Dolan Lbr. Co., Augusta	MW	40	X	X		X		T			D				X			BR		
Georgia Hardwood Lbr. Co., Augusta—See adv. p. 217	MW	250	X	X	X	X	X	DT		X	XD	X	H	FI	C			B	CT	
Mose Gordon Lbr. Co., Commerce	M	30	X			X	X	DT			D	X							C	
Hancock Lbr. Co., Quitman	M	30	X	X		X	X	DT		X	X							R		
Jeffreys-McElrath Lbr. Co., Macon	M	45	X			X	X	DT		IT	X	X		F	X			R		
Northcutt Lbr. Sales Corp., Sandersville	W		X	X	X	X	X	D												
Reynolds Bros. Lbr. Co., Albany	M	15	X		X	X		T		IT	X				X			R		
Reynolds & Manley Lbr. Co., Savannah—See adv. p. 217	M	18	X	X	X	X	X	DT			XC	X								
J. W. Starr & Sons Lbr. Co., Atlanta	M	25	X	X		X		DT			X			FI	X		K	RB		
Sullivan Lbr. Co., Box 32, Preston	M	15	X			X	X				X	X			X					
ILLINOIS																				
Graham Lbr. Co., Chicago 4	W		X	X		X								F	X					SH
Edward Hines Lbr. Co., Chicago 2—See adv. p. 209	MW	140	X	X	X	X	X	DT		X	X	X	H	FI	C	X	K	BR	C	O
Knudson & Mercer Lbr. Co., Chicago 4—See adv. p. 236	W		X				X	DT		X	X					X				
KANSAS																				
Frank Paxton Lbr. Co., Kansas City 3—See adv. p. 190	W		X		X	X							H	FI						SH
KENTUCKY																				
Brown Lbr. Co., Louisville	W	60	X	X	X	X	X	DT		X	D	X							CT	
Mengel Co., Louisville 1—See adv. p. 49	M	6			X	X														YG
McCracken & McCall, Inc., Lexington—See adv. p. 207	MW	5				A					P		C					B		
Stearns Coal & Lbr. Co., Stearns—See adv. p. 207	M	15	X			A	X	D												
LOUISIANA																				
J. A. Bentley Lbr. Co., Zimmerman	M			X				DT												
Colfax Lbr. & Creosoting Co., Colfax	M	10	X				X	DT			X	X							T	
Crowell Long Leaf Lbr. Co., Inc., Long Leaf	M		X	X			X	DT		X	X	X		I						

N—Northern White Pine
HC—Hardwood Crating Stock
O—Other Softwoods
S—Cypress Shingles
G—Glued-up Dimension
YG—Doors, Also Glued-up Dimension
SH—Other Softwoods and Hardwoods

Southern Pine, Cypress, Hardwoods, Specialties

	M—Manufacturer W—Wholesaler	Annual Capacity Million Feet	Shortleaf Yellow Pine	Longleaf Yellow Pine	Cypress	Southern Hardwoods	Yard & Shed Stock	D—Dimension T—Timbers	L—Lath C—Cedar Closet Lining	Interior Trim & Mouldings	X—Pine Bev. Sd. D—Drop Sd. C—Cyp. Sd. P—Poplar Sd.	Flooring X—Pine. C—Cypress	H—Hardwood Flooring C—Hardwood Constr. Boards	F—Factory Lumber I—Industrial Cut Stock	X—Box Shook & Crating C—Crating Only	K. D. Window & Door Frames	L—Log Cabin Siding K—Knotty Paneling	R—Roofers. B—Boards	C—Car Material T—Treated Stock	Other
LOUISIANA—Continued																				
Davis Bros. Lbr. Co., Ansley	M	20	X			X		D		X	X	X								
Frost Hardwood Floors Inc., Shreveport	M	40	X		X	X			C				H						T	
Frost Lbr. Industries, Inc., Shreveport—See adv. p. 149	M	175	X		X	X	X	DT	LC	X	XC	X	HC	FI	X	X	LK	BR	CT	
H. D. Foote Lbr. Co., Alexandria	M	14	X	X		X	X	DT			X	X	C	FI				B	C	
La. Cypress Lbr. Co., Ponchatoula	M				X															
La. Long Leaf Lbr. Co. (See Exch. Sawmills, Kansas City, Mo.)																				
Mansfield Hardwood Lbr. Co., Shreveport	M	60	X			X	X	DT		X	X	X							C	
Roy O. Martin Lbr. Co., Castor	M	10	X		X	X	X	DT				X								VL
McCarroll Lbr. Co., Denham Springs	M	12	X		X	X		DT		X	X	X								
Thomas Lbr. Co., Winnfield	M	20	X	X			X	DT		X	X	X							C	
Urania Lumber Co., Urania—See adv. p. 54-217	M	18	X	X	X	X	X	DT		X	X	X	C	F					C	
J. P. Voss Lbr. Co., Dubach	M	10	X		X	X		DT			X	X						B		
Walthall Lbr. Co., Hammond	M	4	X	X				T		X	X	X		F					C	
Woodard-Walker-Bowen, Inc., Shreveport—94—See adv. p. 231	W		X		X	X	X	DT		X	X	X		I	X				C	
MARYLAND																				
John Taylor, Catonsville 28	W		X	X		X	X	DT		X	X	X						BR		O
MASSACHUSETTS																				
Atlantic Lbr. Co., Boston	MW	50	X	X	X	X			C											
MISSISSIPPI																				
Belmont Lbr. Co., Charleston	M	12	X				X	T							C				C	
J. R. Buckwalter Lbr. Co., Union	M		X			X	X	D		X	DP	X	C	FI	X			B		
Burdette Lbr. Co., Meridian	MW	25	X	X		X	X	DT	L					FI						
Central Lumber Co., Brookhaven	M	10	X			X	X	DT		X	X	X		I	C			B		
Crosby Lbr. & Mfg. Co., Crosby	M		X			X	X	DT		X	X	X	H	FI	X				C	
L. N. Dantzler Lbr. Co., Moss Point	M	12	X	X				DT			D	X								
Deemer Lbr. Co., Deemer	MW	22	X			X	X	DT			X									
Denkmann Lbr. Co., Canton	M		X		X	X	X	DT	L	X	X			FI	X				T	
A. DeWeese Lbr. Co., Philadelphia	M	20	X			X	X	DT			DP	X	C	F				B	C	
D. L. Fair Lbr. Co., Louisville	M	30	X			X	X	DT	L	X	XP	X	H	FI		X				
C. L. Gray Lbr. Co., Meridian	M	15	X			X	X	DT				X	C					B		
Henderson-Molpus Co., Philadelphia	M	12	X			X	X	DT		X	DP	X		FI	X	X				
Houston Bros., Vicksburg	M	10	X		X	X	X	DT			PC	X			X					
J. M. Jones Lbr. Co., Natchez—See adv. p. 217	MW	24	X		X	X	X	DT			X	X								
S. E. Lackey Lbr. Co., Forest	M	18	X			X	X	DT		X	X	X						B		
Sallis Lbr. Co., Brandon	M		X			X	X	D				X								
Stewart-Farris & Myers Lbr. Co., Morton—See adv. p. 166	M	15	X			X	X	D		X	X	X	C		X	X				2★
Wax Lbr. Co., Woodville—See adv. p. 217	M	15	X		X	X		DT			D	X								
Wogan-Wilson Land & Lbr. Co., Meridian	MA	18	X	X		X	X	DT			DP	X	C		C			B	C	
MISSOURI																				
Caddo River Lbr. Co., Kansas City	MW	45	X				X	DT	L	X	X	X		FI					C	
Canthook Lbr. Co., St. Louis	MW		X		X	X								FI	X					
Dierks Lbr. & Coal Co., Kansas City—See adv. p. 216	M	100	X			X	X	DT	L	X	X	X	H	I	X	X	L	B	C	
Exchange Sawmills Sales Co., Kansas City	MW	60	X		X	X	X	DT		X	X	X	H	FI	X				C	
W. T. Ferguson Lbr. Co., St. Louis—See adv. p. 182	MW	50	X	X	X	X	X	DT	L		XC	X	HC	FI	X			BR	CT	1
Fleishel Lbr. Co., St. Louis—See adv. p. 148	MW	50	X		X	X	X	DT	L	IT	XC	XC		FI	X				C	
Hill-Behan Lbr. Co., St. Louis	MW		X				X	D												

★—Furniture Dimension Stock VL—Veneer Logs MA—Mfrs. Agt. 2—Boxes and Box Shook 1—Red Cedar Siding and Shingles, Poles and Piling
0—Other Woods

Southern Pine, Cypress, Hardwoods, Specialties

	M—Manufacturer W—Wholesaler	Annual Capacity Million Feet	Shortleaf Yellow Pine	Longleaf Yellow Pine	Cypress	Southern Hardwoods	Yard & Shed Stock	D—Dimension T—Timbers	L—Lath C—Cedar Closet Lining	Interior Trim and Mouldings	X—Pine Sdg. D—Drop Sdg. C—Cyp. Sdg. P—Poplar Sdg.	Flooring X—Pine. C—Cypress	H—Hardwood Flooring C—Hardwood Constr. Boards	F—Factory Lumber I—Industrial Cut Stock	X—Box Shook & Crating C—Crating only	K.D. Window & Door Frames	L—Log Cabin Siding K—Knotty Paneling	R—Roofers. B—Boards	C—Car Material T—Treated Stock	Other
MISSOURI—Continued																				
Long-Bell Lbr. Co., Kansas City 6	M		X			X	X	DT		X		X	H	FI	C			B	CT	
Midland Valley Lbr. Co., St. Louis 8	MW	8	X	X	X	X			C											WC
Sabine Lbr. Co., St. Louis 1	M	75	X			X	X	DT		X	X	X		FI	X					EM
U. S. Cedar Corp., St. Louis 8	MW								C											WC
H. E. Webster Lbr. Co., Kansas City 6	W		X	X	X	X	X	DT		X	X	X	H	FI						
NEW YORK																				
Atlantic Lbr. Co., Buffalo	MW	50	X	X	X	X			C											
Cotton & Hanlon, Odessa	MW	30	X			X	X	D					H	F				BR		1
NORTH CAROLINA																				
L. N. Bagnal, P. O. Box 737, Winston-Salem—See adv. p. 198	W		X		X	X								F	X					O
P. M. Barger Lbr. Co., Statesville	W		X	X	X	X	X	DT	C	X	XP	X	H		C	X	LK	BR		
Geo. C. Brown & Co., Greensboro—See adv. p. 234	M								C											S
C. K. Callaham & Sons Lbr. Co., Inc., P. O. Bx. 1, Charlotte 1			X	X	X	X	X	DT			X	X					K			
Carr Lbr. Co., Pisgah Forest—See adv. p. 235	M	8				A			L				H							
J. E. Elrod Lbr. Co., Charlotte	MW		X	X	X	X	X	DT	L	X	X	X		F					T	SD
Eureka Lbr. Co., Washington	M	15	X			X	X					X						BR		
Greene Bros. Lbr. Co., Elizabethtown	M	15	X		X	X	X					X								
Hutton & Bourbonnais Co., Hickory, N. C.—See adv. p. 207	M		X			A		DT		IT	X	X			X				C	
Jeffreys-Myers Mfg. Co., Oxford	M	30	X			X		DT			D	X			X			R		
McLeod & Sinclair, Laurinburg	M	15	X	X				DT		IT	X	X						R		
Oakboro Lbr. Co., Lenoir	M	10	X			A	X				X	X		I	X					SD
John C. Shepherd Lbr. Corp., Charlotte 1	W		X	X	X	X	X	DT		X	XC	X	HC	FI	X			B	CT	2
South Atlantic Lbr. Co., Greensboro	MW	40	X		X	X								I	X			R		
W. M. Storey Lbr. Co., Winston-Salem	MW		X			X	X	DT				X		FI	X					
Triplett Lbr. Co., Lenoir	W		X	X	X	X	X	T			X	X		F	X		K			A
PENNSYLVANIA																				
Babcock Lbr. Co., Pittsburgh 19—See adv. p. 186	MW	40	X	X	X	X	X	DT	C	X	C	X	HC	F	XC			BR	C	
SOUTH CAROLINA																				
Argent Lbr. Co., Hardeeville	M	18	X	X	X	X	X			X	XC	X			X		LK	R	C	
Brooklyn Cooperage Co., Sumter	M	30			X	X														
G. F. League Lbr. Co., Greenville—See adv. p. 236	W		X	X	X	X	X	DT		X		X		FI						
Lexington Lbr. Co., Columbia	M	36	X	X	X	X		T		X	X	X						R		J
Lightsey Bros., Miley—See adv. p. 217	M	18	X	X	X	X	X	DT		X	X	X	H					BR		
Mullins Lbr. Co., Mullins	M	18	X		X	X		T		X	X	X			C			R		J
Santee River Hardwood Co., St. Stephen	M	12	X		X	X	X	T			XC								T	
TENNESSEE																				
Anderson Tully Co., Memphis 10—See adv. p. 217	M		X		X	X					P		H	FI	X					PG
Bond-Woolf & Co., Inc., Alcoa	M	20	X			X		D				X	H					B		F
E. L. Bruce Co., Memphis 1	M	100	X		X	X	X	DT	C		X	X	H	FI						
Frank A. Conkling Co., Memphis 3	MW	15			X	X														P
Nickey Bros., Memphis 12—See adv. p. 59	MW	12			X	X		D	C	X	XC		H							

WC—Southern White Cedar A—Appalachian SD—Sash & Door Cut Stock P—Plywood 1—Pine Mill, Mayo, Va. 2—Nosed Stepping and Finish
EM—End Match d Y.P. Flg. & Sheathing NS—Nosed stepping J—Jambs F—Finish A—Appalachian White Pine, Box Shook, R. R. Materials
S—Specialist in Cedar PG—Plywood & Glued-up Stock

Southern Pine, Cypress, Hardwoods, Specialties

	M—Manufacturer W—Wholesaler	Annual Capacity Million Feet	Shortleaf Yellow Pine	Longleaf Yellow Pine	Cypress	Southern Hardwoods	Yard & Shed Stock	D—Dimension T—Timbers	L—Lath C—Cedar Closet Lining	Interior Trim & Mouldings	X—Pine Sdg. D—Drop Sdg. C—Cyp. Sdg. P—Poplar Sdg.	Flooring X—Pine. C—Cypress	H—Hardwood Flooring C—Hardwood Constr. Boards	F—Factory Lumber I—Industrial Cut Stock	X—Box Shook & Crating C—Crating only	K.D. Window & Door Frames	L—Log Cabin Siding K—Knotty Paneling	B—Boards R—Roofers	C—Car Material T—Treated Stock	Other
TENNESSEE—Continued																				
Phillips Wood Products Co., Memphis 4	W		X		X	X		DT	C					I	X					P
Riggs-Buttram Lbr. Co., Athens	M	12	X			X		DT										B		
D. M. Rose & Co., Knoxville	M								C	X	X		H	I		X				G
Shannon Bros. Lbr. Co., Memphis	M	14			X	X	X	T						F						
James E. Stark Co., Memphis 10	M	12			X	X	X	DT			C	C		FI						G
Vestal Lbr. & Mfg. Co., Knoxville—See adv. pp. 207-230	M	40	X	X	X	X	X	T												
Woods Lbr. Co., Memphis—See adv. p. 217	MW	20			X	X		T												
TEXAS																				
Angelina County Lbr. Co., Keltys	MW	30	X				X	DT	L	X	X						K		C	
Boettcher Lbr. Co., Huntsville	MW	24	X				X	DT		IT	X	X							C	
W. T. Carter & Bro., Houston—See adv. p. 190	M	60	X			X	X	DT		X	X	X			C					FJ
Edens-Birch Lbr. Co., Corrigan	M	25	X	X		X	X													
Haslam Lbr. Co., Haslam	M	12	X				X	DT		X	X	X			X					F
Kirby Lbr. Corp., Houston—See adv. p. 229	MW	100	X		X	X	X	DT		X	X	X	H	I				B	C	
Sabine Lbr. Co., Houston	M	50	X			X	X	DT		X	X	X		FI	X					EM
Southern Pine Lbr. Co., Texarkana	M	90	X	X	X	X	X	DT	L	X	X	X	H	I	X		L			G
J. E. Stone Lbr. Co., Nacogdoches	M	30	X			X	X	DT		X	X	X			C				C	
T. O. Sutton & Sons, Chireno	M	10	X			X	X	DT			X	X						B		
Texas Creosoting Co., Orange—See adv. p. 208								T											T	CL
Tilford-Hunt Lbr. Co., Nacogdoches—See adv. p. 188	MW	18	X			X	X	DT			X	X		F						
VIRGINIA																				
Barnes Lbr. Corp., Charlottesville	M	39	X			X		DT		X		X	H	I		X				
M. T. Blassingham & Co. Inc., Norfolk	D*		X	X	X	X	X	DT		X	X	X	HC	FI	C	X	K	BR	CT	CL
Boydton Mfg. Co., Boydton	M	12	X			X		DT					H		X					
Burruss Land & Lbr. Co., Lynchburg	MW	65	X			X	X	DT						F				BR	C	S
Camp Mfg. Co., Franklin	M	40	X		X	X	X	D	L	X		X			X					
Colonial Pine Co., Petersburg	M	10	X					D							X			BR		
Williams & McKeithan Lbr. Co., Lynchburg	MW	40	X	X	X	X	X	DT			X	X	C	F	X			BR		

F—Finish
J—Jambs
S—Shiplap
EM—End-Matched Y.P. Flg.
G—Glued-up Stock
P—Plywood
CL—Creosoted Lumber, Cross Arms, Piling, Poles, Ties.
D*—Distribution Yard

Ponderosa Pine, Sugar Pine, White Fir, Incense Cedar, Douglas Fir, Redwood

	M—Manufacturer W—Wholesaler	Annual Capacity Million Feet	Ponderosa Pine	Sugar Pine	W—White Fir I—Incense Cedar	Douglas Fir (Inland)	Redwood	Yard and Shed Stock	D—Dimension T—Timbers	L—Lath P—S.R. Pickets	Mouldings	S—Bevel Siding F—Flooring	Factory Lumber	I—Industrial Cut Stock G—Glued-Up Stock	Sash and Door Cut Stock	Box Shook and Crating	K. D. Window and Dr. Frames	Sash, Doors, Screens	C—Log Cabin Siding K—Knotty Paneling	Other
ARIZONA																				
Navajo Tribal Sawmill, Window Rock	M	12	X					X	DT				X							
Saginaw & Manistee Lbr. Co., Flagstaff	M	45	X					X	D				X			X				
Southwest Lbr. Mills, Inc., McNary—See adv. p. 224	M	100	X			X		X	D		X	S	X	I		X			K	IT
CALIFORNIA																				
Angels Box & Lbr. Co., Angels Camp	M	12	X	X	WI	X		X	DT				X							

IT—Interior Trim

Ponderosa Pine, Sugar Pine, White Fir, Incense Cedar, Douglas Fir, Redwood

	M—Manufacturer W—Wholesaler	Annual Capacity Million Feet	Ponderosa Pine	Sugar Pine	W—White Fir I—Incense Cedar	Douglas Fir	Redwood	Yard and Shed Stock	D—Dimension T—Timbers	L—Lath P—S.R. Pickets	Mouldings	S—Bevel Siding F—Flooring	Factory Lumber	I—Industrial Cut Stock G—Glued-Up Stock	Sash and Door Cut Stock	Box Shook and Crating	K. D. Window & Door Frames	Sash, Doors, Screens	C—Log Cabin Siding K—Knotty Paneling	Other
CALIFORNIA—Continued																				
Byles-Jamison Lbr. Co., Box 1666, Fresno	M	15	X	X	W			X					X							
California Door Co., Diamond Spring	M	30	X	X	WI	X		X	D				X			X				
Calif. Redwood Distributors, Chicago 1, Ill.	MW	250					X	X	DT	LP	X	SF	X	IG					C	RS
Cal. Sugar & West. Pine Agcy., San Francisco—See adv. p. 237	W		X	X	W	X		X	D		X		X	I	X	X				
Clover Valley Lbr. Co., Loyalton	M	40	X		WI	X		X	DT		X	S	X			X				RT
Sam S. Crowley Lbr. Co., Mineral	M	10	X	X	W			X	D				X							
Deschutes Lbr. Co., Anderson	M	35	X	X	WI	X		X	D			S	X							
Diamond Match Co., Chico	M	52	X	X	WI	X		X	DT		X	S	X	IG	X	X	X	X	K	
[2]Dolbeer & Carson Lbr. Co., 465 Calif. St., San Francisco 4	M	40					X	X	DT		X	S	X						C	
[1]Hammond Lbr. Co., San Francisco 6	M	130					X	X	D		X	S								7
[2]Holmes Eureka Lbr. Co., San Francisco 4	M						X	X	DT		X	S	X							
Hughes Bros., Foresthill	M	9	X	X	WI	X		X	DT				X							
Kent Lbr. Co., San Francisco 4	W		X	X	X	X		X	D		X		X		X				CK	B
Lassen Lbr. & Box Co., San Francisco	M	50	X		W			X					X			X				
Indian Head Lbr. Co., Pittville	M	12	X		I			X	D		X		X	I						
Long-Bell Lbr. Co., Weed	M		X		W			X	D	L	X	SF		IG	X	X	X	X		OP
Michigan-California Lbr. Co., Camino—See adv. p. 188	M	25	X	X	WI	X		X					X			X				PL
Mt. Shasta Pine Mfg. Co., Mt. Shasta	M	20	X	X	W	X		X	D				X			X				
McCloud River Lbr. Co. (See Shevlin Pine Sales, Minneapolis)																				
Mt. Whitney Lbr. Co., Box 2946, Los Angeles	M	25	X	X	WI			X	DT	L			X	I	X					
R. D. Northcutt Lbr. Co., Redding	M	11	X			X		X	DT							X				
Northern Redwood Lbr. Co., Korbel	M	30				X	X	X	D				X							TS
[1]Pacific Lbr. Co., 100 Bush St., San Francisco 4	M	120					X	X	D		X	S								
Penberthy Lbr. Co., Los Angeles, Calif.—See adv. p. 214	W		X																	
Pickering Lbr. Corp., Standard	M	65	X	X	WI	X		X					X			X				
Pine Logging Co. of Calif., Box 1086, Fresno	MW	15	X	X	WI			X	D				X							
Quincy Lbr. Co., Inc., Quincy—See adv. p. 216	M	35	X	X	W	X		X	D		X		X			X			K	PL
Redwood Manufacturers Co., Pittsburg	W*		X	X		X	X	X	DT		X	S								4
Redwood Sales Co., San Francisco 4	MW						X	X	DT	LP	X	SF							C	
Sacramento Box & Lbr. Co., Box 1282, Sacramento 6	MW	35	X	X	WI	X		X	D				X			X				
Scott Lbr. Co., Inc., Burney	M	40	X	X	W	X		X	DT			SF	X							PL
Ralph L. Smith Lbr. Co., Canby (Sales K. C., Mo.)—See p. 179	MW	130	X	X				X	D		X		X	I	X	X				P
E. J. Stanton & Son, Los Angeles 11—See adv. p. 214	W		X	X	W	X	X	X	D		X	SF	X						CK	56
Stokes & Steele Lbr. Co., San Francisco 5	W		X	X	W	X	X	X	DT	L	X	S	X		X				K	
Tarter, Webster & Johnson, Inc., San Fran.—See adv. p. 204	MW		X	X	WI	X		X	DT		X	S	X			X				PL
Ukiah Pine Lbr. Co., Potter Valley	M	20	X	X	W			X	DT				X							RT
Union Lbr. Co., Crocker Bldg., San Francisco 4	M	100					X		DT			S							C	
Wendling-Nathan Co., San Francisco 11—See adv. pp. 34-233	W		X	X	W	X	X	X	DT	L	X	SF	X	I						6
West Side Lbr. Co., Tuolumne	M	42	X	X	WI			X	D				X			X				PL
Winton Lbr. Sales Co. (See Minneapolis Listing)																				
IDAHO																				
Atlas Tie Co., Coeur d'Alene	M	16	X		X	W	FL	X	DT											
Boise-Payette Lbr. Co. (See Weyerhaeuser, St. Paul)																				
Brown's Tie and Lbr. Co., McCall	M	19	X			WE	FL	X	DT			F	X						CK	

P—Plywood
6—Red Cedar Shingles and Douglas Fir Plywood
W*—Wholesale Distr. Yd.

RT—Railroad Ties
PL—Pattern Lumber
TS—Tank Stock
OP—Other Woods and Plywood

RS—Redwood Shingles
4—Redwood and Cedar Shingles and Douglas Fir Plywood

B—Boards

56—Other Softwoods and Hardwoods, Red Cedar Shingles, Douglas Fir Plywood
7—Railroad Ties and Tank Stock

Ponderosa Pine, Sugar Pine, Idaho White Pine, White Fir, Engelmann Spruce, Fir and Larch

	M—Manufacturer W—Wholesaler	Annual Capacity Million Feet	Ponderosa Pine	Sugar Pine	Idaho White Pine	W—White Fir E—Engelmann Spruce	F—Fir L—Larch	Yard & Shed Stock	D—Dimension T—Timbers	L—Lath P—SR Pickets	Mouldings	S—Bevel Siding F—Flooring	Factory Lumber	I—Industrial Stock G—Glued-up Stock	Sash & Door Cut Stock	Box Shook & Crating	K. D. Window & Door Frames	Sash, Doors & Screens	C—Log Cabin Siding K—Knotty Paneling	Other
IDAHO—Continued																				
Craig Mountain Lbr. Co., Winchester—See adv. p. 174	M	25	X				FL	X	D	L		SF	X							
Hallack and Howard Lbr. Co., Cascade	M	25	X			E	FL	X	D	L	X	FS								
McFarland-Brown Lbr. Co., Sandpoint	M	15			X	E	FL	X	D			S							K	RC
E. C. Olson & Sons, Priest River	M	18	X		X	E	FL	X	DT	L										RC
Pack River Lbr. Co., Sandpoint	M	20	X		X	E	FL	X	D		X	SF	X	I	X	X			K	RC
Potlatch Forests, Inc. (See Weyerhaeuser, St. Paul)																				
Russell & Pugh Lbr. Co., Springston—See adv. p. 347	M	18	X		X	W	F	X	DT	L	X	S	X							RC
St. Maries Lbr. Co., St. Maries	M	25	X		X	WE	FL	X	DT	L	X	SF	X						CK	RC
White Pine Lbr. Co., Orofino	M	18	X		X	W	FL	X	D			S							K	
Winton Lbr. Co. (See Minneapolis, Minn.)																				
ILLINOIS																				
Graham Lbr. Co., Chicago	W		X		X	E							X			X				RC
Edward Hines Lbr. Co., Chicago 2—See adv. p. 209	MW	140	X	X	X	E	FL	X	DT	L	X	S	X	I	X				CK	O
Knudson & Mercer Lbr. Co., Chicago 4—See adv. p. 236	W		X		X			X	DT		X	SF						X		O
Metropolitan Lbr. Co., Chicago 24—See adv. p. 222	MW		X	X	X	WE	FL	X	DT		X	S	X	IG		X			CK	O
Rinn-Scott Lbr. Co., Chicago 1—See adv. p. 204	W		X	X				X	DT		X	SF	X	IG						
Wm. C. Schreiber Lbr. Co., Chicago 16—See adv. p. 206	W		X	X	X	E	FL	X	D				X						K	P
Geo. J. Silbernagel, Chicago 3—See adv. p. 176	W		X	X	X	WE	FL	X	DT	LP	X	SF	X	IG	X	X	X	X	CK	O
Wulchet Lbr. Co., Chicago 4	W		X	X		W		X	D				X	I	X	X				PL
KANSAS																				
Frank Paxton Lbr. Co., Kansas City 3—See adv. p. 190	W		X	X	X	E	FL						X	I						P
MINNESOTA																				
Shevlin Pine Sales Co., Minneapolis—See adv. p. 218	M	300	X	X				X	D	LP	X	S	X		X	X			CK	
Weyerhaeuser Sales Co., St. Paul 1	M		X	X	X	WE	FL	X	DT	LP	X	SF	X	IG	X	X	X		CK	RC
Winton Lbr. Sales Co., Minneapolis 2	MW	100	X	X	X		F	X	D		X	SF	X			X			CK	WW
MISSOURI																				
Fry-Fulton Lbr. Co., St. Louis 4	W		X	X																
Long-Bell Lbr. Co., Kansas City 6	M		X			W		X	D	L	X	SF		IG	X	X	X	X		OP
Ralph L. Smith Lbr. Co., Kansas City—See adv. p. 179	MW	130	X	X	X	E	FL	X	D		X		X	I	X	X				P
MONTANA																				
Anaconda Copper Mining Co., Bonner—See adv. p. 182	M	100	X				FL	X	DT	L	X	SF	X	I		X			CK	
Kalispell Lbr. Co., Kalispell	MW	20	X			E	FL	X	DT		X	S								
Missoula White Pine Sash Co., Missoula	M	10	X			W		X	DT		X			I			X	S		WT
J. Neils Lbr. Co., Libby—See adv. p. 178	M	80	X		X	E	FL	X	DT	L	X	SF	X	I	X	X			CK	IT
Somers Lbr. Co., Somers	M	40	X			E	FL	X	D	L	X	S								
F. H. Stoltze Land & Lbr. Co., Columbia Falls	M	21			X	E	FL	X	DT	L	X	S							K	
NEW MEXICO																				
M. R. Prestridge Lbr. Co., Alamogordo	M	22	X				F	X	DT		X		X							
Southwest Lbr. Co., Alamogordo	M	24	X			W	F	X	DT	L	X	S				X				
Bernalillo Lbr. Co., Albuquerque	MW		X																	
OHIO																				
George N. Comfort Lbr. Co., Cleveland 14	W		X	X	X	WE	FL		DT	L	X	SF	X	I		X			CK	

P—Plywood
WW—Western White Spruce
RC—Red Cedar
WT—Wrapped Interior Trim
O—Other Softwoods & Hardwoods
IT—Interior Trim
PL—Pattern Lumber

Ponderosa Pine, Sugar Pine, Idaho White Pine, White Fir, Engelmann Spruce, Fir and Larch

	M—Manufacturer W—Wholesaler	Annual Capacity Million Feet	Ponderosa Pine	Sugar Pine	Idaho White Pine	W—White Fir E—Engelmann Spruce	F—Fir L—Larch	Yard & Shed Stock	D—Dimension T—Timbers	L—Lath P—SR Pickets	Mouldings	S—Bevel Siding F—Flooring	Factory Lumber	I—Industrial Stock G—Glued-up Stock	Sash & Door Cut Stock	Box Shook & Crating	K. D. Window & Door Frames	Sash, Doors & Screens	C—Log Cabin Siding K—Knotty Paneling	Other
PENNSYLVANIA																				
Babcock Lbr. Co., Pittsburgh 19—See adv. p. 186	MW	40	X	X	X	WE	FL	X	DT		X	SF	X	G		X				
Wm. Schuette Co., 239 4th Ave., Pittsburgh—See adv. p. 237	W		X	X	X	E	FL				X	SF	X	IG		X	X			
OREGON																				
Alexander-Yawkey Lbr. Co., Prineville—See adv. p. 226	M	38	X					X	D		X	S	X	I		X			K	
American Box Corp., Lakeview	M	38	X					X	D		X	S	X	I		X			K	
Big Lakes Box Co., Klamath Falls	M	50	X					X	D	L	X	S	X	I		X			K	7
Blue Mountain Mills, Dayville	M	25	X					X	D				X			X				
Brooks-Scanlon Lbr. Co., Bend	M	60	X					X	DT	LP	X	S	X	I	X	X			K	
Buzard-Burkhart Pine Co., Lakeview	M	20	X					X	D		X		X		X				K	
Contact Lbr. Co., Portland 4	W		X	X	X	WE	FL	X	DT	L	X	S	X	IG	X	X	X		CK	PR
Collins Pondosa Lbr. Co., Pondosa	M	20	X					X	D			S	X		X					
Crane Mills, Inc., Bly	M	15	X					X	D			S	X		X					
The Robert Dollar Co., Glendale	M	30	X	X			F	X	DT				X							1
Ewauna Box Co., S. 6th St., Klamath Falls	M	75	X			W		X	D	LP	X	S	X	I	X	X			CK	7
Gilchrist Timber Co., Gilchrist	M	50	X					X	D		X		X						K	
F. C. Goetz Lbr. Co., Medford	M	12		X									X							
Goose Lake Box Co.—Sales by White Pine Lbr. Dist., Reno, Nev.	M	15	X					X			X		X			X				
Heppner Lbr. Co., Heppner	M	15	X					X	D		X	S	X						K	
Herman Brothers Lbr. Co., Prospect	M	12	X	X				X					X							I
Edward Hines Lbr. Co. (See Chicago Listing)																				
Ivory Pine Co., Klamath Falls—See adv. p. 220	MW	20	X	X				X	D				X			X				
Klamath Basin Pine Mills Inc., Box 1051, Klamath Falls	M	50	X	X				X	D	L	X		X			X				
Kinzua Pine Mills Co., Kinzua—See adv. p. 143	MW	40	X				FL		D*	L	X	S		IG	X	X	X		CK	Y
Medford Corp., Medford—See adv. p. 7	M	85	X	X			F	X	DT	L	X	SF	X						CK	
Mt. Emily Lbr. Co., La Grande—See adv. p. 206	M	60	X				FL	X	DT		X	S	X	I		X			K	RT
Ochoco Lbr. Co., Prineville	M	35	X					X	D			S	X							
Oregon Lbr. Co., Baker—See adv. p. 176	M	45	X					X			X	SF	X	I	X	X			K	
Oregon Trail Lbr. Co., The, Union	M	12	X				FL	X	D*				X							
Patrick Lbr. Co., Portland 5—See adv. p. 227	W		X					X	DT		X	S	X	I	X	X			CK	
Pelican Bay Lbr. Co., Klamath Falls	M	70	X					X	D	L	X	S	X			X			CK	
Pine Products Corp. (See Carl Soderberg Lbr., Spokane)																				
Ponderosa Mouldings, Inc., Redmond—See Metro. Lbr. adv. p. 222	M										X			I						IT
Schmitt Bros. Lbr. Co., Grants Pass	M	22	X	X			F	X	D				X							I
Shaw Lbr. Co., Klamath Falls	M	35	X					X	D				X							
So. Ore. Sugar Pine Co., Medford and Tiller	M	30		X	X			X					X							
Spalding & Son, Grants Pass	M	12	X	X			F	X					X							
Stoddard Lbr. Co., Baker	M	39	X				L	X		L	X	S	X						K	
Swede Basin Lbr. Co., Grants Pass	M	10	X	X			F	X	DT			S	X						K	I
Timber Products Co., Medford	MW	45	X	X		W	F	X	DT	L	X	S	X	I	X	X			K	
Tite Knot Pine Mill, Redmond	M	30	X					X	D		X		X						K	
Van Deinse Lbr. Sales Co., Portland 5—See adv. p. 216	W		X	X	X		FL	X	DT			SF	X	I	X		X	X		
Warm Springs Lbr. Co., Warm Springs	M	30	X					X					X							
Weyerhaeuser Timber Co. (See St. Paul)																				
SOUTH DAKOTA																				
Warren-Lamb Lbr. Co., Rapid City	M	14	X					X	D		X	SF		G		X			C	

I—Incense Cedar D*—Fir & Larch Only Y—Cut-to-Length Trim, Lawn & Porch Furniture 7—Linderman Jointed Stock RT—Railroad Ties IT—Interior Trim

Ponderosa Pine, Sugar Pine, Idaho White Pine, White Fir, Engelmann Spruce, Fir and Larch

	M—Manufacturer W—Wholesaler	Annual Capacity Million Feet	Ponderosa Pine	Sugar Pine	Idaho White Pine	W—White Fir E—Engelmann Spruce	F—Fir L—Larch	Yard & Shed Stock	D—Dimension T—Timbers	L—Lath P—SR Pickets	Mouldings	S—Bevel Siding F—Flooring	Factory Lumber	I—Industrial Stock G—Glued-up Stock	Sash & Door Cut Stock	Box Shook & Crating	K. D. Window & Door Frames	Sash, Doors & Screens	C—Log Cabin Siding K—Knotty Paneling	Other
WASHINGTON																				
Biles-Coleman Lbr. Co., Omak—See adv. p. 148	M	48	X				FL				X			IG		X	X		K	WT
Bockmier Lbr. Co., Radio Cent. Bldg., Spokane	W		X	X	X	E	FL	X	DT				X							
Cascade Lbr. Co., Yakima	M	65	X				F	X	DT			S	X			X				
Chelan Box & Mfg. Co., Chelan	M	24	X				F	X	DT				X			X				
Deer Park Lbr. Co., Deer Park	M	40	X		X		FL	X	DT		X	SF	X	I	X	X	X		K	WT
Diamond Match Co., Newport	M	54	X		X	WE	FL	X	DT	L	X	SF	X						K	RC
Fred Draper Lbr. Co., Colville	M	12	X				FL	X	DT			SF	X							
Duffy Lbr. Co., O.N.B. Bldg., Spokane	MW	10	X	X	X	E	FL	X	D				X							
C. A. Harris & Son, Ardenvoir	M	7	X				F	X	DT			S	X			X				
Long Lake Lbr. Co., Spokane	M	48	X		X	WE	FL	X	DT	L	X	S	X	I			X		K	WT
McGoldrick Lbr. Co., Spokane 3	M	50	X		X		FL	X	D	L		S	X							
Mauk Seattle Lbr. Co., Seattle 1—See adv. p. 233	MW		X	X	X		FL	X	DT	L	X	SF	X	I		X			CK	IT
J. Neils Lbr. Co., Klickitat—See adv. p. 178	M	50	X				F	X	DT		X	SF	X	I	X	X			CK	
Nettleton Timber Co., Box 3305, Seattle 14	M				X			X												
Ohio Match Co., Box 115, Spokane	M	48			X	WE	FL	X	DT	L	X	S	X						K	
Peshastin Lbr. & Box Co., Peshastin	M	22	X		X	W	F	X	DT	L	X	S	X	I		X			K	
Schmitten Lbr. Co., Cashmere	M	15	X				F	X	DT		X	S	X			X			K	
Carl Soderburg Lbr. Co., Spokane 8—See adv. p. 233	MW	40	X	X	X	E	FL	X	D		X	SF	X	I		X			CK	IT
Twin Harbors Lbr. Co., Aberdeen—See adv. p. 55	MW		X	X	X		FL	X	DT	LP	M	SF	X	I						O
Wales Lbr. Co., Spokane 8—See adv. p. 233	MW		X	X	X	E	FL	X	DT				X							RC
Western Pine Mfg. Co., Spokane 7—See adv. p. 204	M	50	X		X		FL	X	DT		X		X	IG	X	X	X	X	K	1
White Pine Sash Co., Spokane			X		X			X			X			IG		X	X	Sc	K	WT
Wm. Zosel Lbr. Co., Oroville	M	6	X				FL	X	DT							X				
WISCONSIN																				
Metropolitan Lbr. Co., Milwaukee—See adv. p. 222	MW		X	X	X	WE	FL	X	DT		X	S	X	IG	X	X			CK	O

I—Interior Trim, Furniture, Boxes & Specialty Items
P—Prefabrication and Processing
WT—Wrapped Interior Trim
IT—Interior Trim
RC—Red Cedar
O—Other Woods

Douglas Fir, West Coast Hemlock, Sitka Spruce, Western Red Cedar

	M—Manufacturer W—Wholesaler	Annual Capacity Million Feet	D—Douglas Fir H—West Coast Hemlock	S—Sitka Spruce C—Western Red Cedar	Y—Yard Stock S—Shed Stock	D—Dimension T—Timbers	S—Select Structural Grades L—Long Timbers	M—Mouldings F—Flooring	S—Bevel Siding L—Log Cabin Siding	R—Red Cedar Shingles L—Lath	G—Gutter P—Plywood	S—Sash, F—Frames W—Window & Door Stock	S—Shop Lumber I—Industrial Cut Stock	R—Rough Clears G—Glued-up Stock	B—Boat & Ship Lumber C—Car Material	T—Turning Squares L—Ladder Stock	B—Box Shook & Crating T—Tank, Pipe and Silo Stock	P—Poles, Piling T—Treated Stock	A—Airplane Stock K—Knotty Paneling	Other
CALIFORNIA																				
Benson Lbr. Co., San Diego 12	MW	22	DH	C	YS	DT	SL							R	B		B	P		
W. E. Cooper, Los Angeles 13	W		DH	SC	YS	DT	SL							R						O
Pope & Talbot, Inc., San Francisco 5	MW	284	DH		YS	DT							I					T		O
E. K. Wood Lbr. Co., San Francisco 11	MW	50	DH	SC	YS	DT				L										
Wendling-Nathan Co., San Francisco—See adv. pp. 34-233	W		D	C	YS	DT		MF	S	RL	P		S	R				P	A	
ILLINOIS																				
Pike Dial Lbr. Co., Chicago 8	W		D	S															A	
Geo. J. Silbernagel, 8 So. Mich., Chicago—See adv. p. 176	W		DH	SC	YS	DT	SL	MF	SL	RL	P	SF	SI	RG		TL	BT			O
Wm. C. Schreiber Lbr. Co., Chicago 16—See adv. p. 206	W		DH	S	YS	D					P		S							O

O—Other Woods

Douglas Fir, West Coast Hemlock, Sitka Spruce, Western Red Cedar

	M—Manufacturer W—Wholesaler	Annual Capacity Million Feet	D—Douglas Fir H—West Coast Hemlock	S—Sitka Spruce C—Western Red Cedar	Y—Yard Stock S—Shed Stock	D—Dimension T—Timbers	S—Select Structural Grades L—Long Timbers	M—Mouldings F—Flooring	S—Bevel Siding L—Log Cabin Siding	R—Red Cedar Shingles L—Lath	G—Gutter P—Plywood	S—Sash, F—Frames W—Window & Door Stock	S—Shop Lumber I—Industrial Cut Stock	R—Rough Clears G—Glued-up Stock	B—Boat & Ship Lumber C—Car Material	T—Turning Squares L—Ladder Stock	B—Box Shook & Crating T—Tank, Pipe and Silo Stock	P—Poles, Piling T—Treated Stock	A—Airplane Stock K—Knotty Paneling	O—Other
KANSAS																				
Frank Paxton Lbr. Co., Kansas City—See adv. p. 190	W		D	S							P		I							O
MINNESOTA																				
Weyerhaeuser Sales Co., St. Paul 1	M		DH	SC	YS	DT	SL	MF	SL	R	P	FW	SI	RG	BC		BT	T	K	
Winton Lbr. Sales Co., Minneapolis 2	MW	100	DH	C	YS	D		M	SL				S						K	O
MISSOURI																				
W. T. Ferguson Lbr. Co., St. Louis 1—See adv. p. 182	MW	50	DH	SC	YS	DT	SL	F	S	RL			SI		C		B	PT		O
Long-Bell Lbr. Co., Kansas City 6	M		DH		YS	DT	SL	MF			P	SW	SI	RG	BC	TL	T	PT	A	DS
OREGON																				
Bohemia Lbr. Sales Co., Culp Creek	M	18	DH		Y	DT	SL					W	I	R	C	TL	T	P		
Booth-Kelly Lbr. Co., Eugene	M	50	DH		YS	DT	S	MF			P		S		BC					
Bradley Lbr. Co., Bradwood	M	22	H			DT								R			B			
Bridge Lbr. Co., Reedsport	M	22	D		Y	DT	S								C					
Carlton Mfg. Co., Carlton	M	24	DH		Y	DT														
Carnation Lbr. Co., Forest Grove	M	36	D		Y	DT	SL							R	BC					
Cobbs & Mitchell Co., Portland 5	M	60	DH	C	YS	DT	SL	M				W	S	R		L	T			
Contact Lbr. Co., Portland 4	W		DH	SC	YS	DT		M	SL	RL	P	FW	SI	G			B		K	O
Coos Bay Logging Co., No. Bend	M	65	DH		Y	DT									B					
Engle & Worth Lbr. Co., McMinnville	M	45	D	C	L	DT	SL						S	R	B		T		A	
Fischer Lbr. Co., Marcola	M	30	D		YS	DT	S	F					SI		C					
Forcia & Larsen, Noti	M	20	DH		Y	DT	S							R	C					
Foster Mills, Inc., Willamina	M	23	DH		Y	DT	SL						SI	R	BC	T	T	P	A	
Gardiner Lbr. Co., Gardiner	M	30	D		Y	DT	SL							R	B					
Giustina Bros., Eugene	M	30	DH	C	YS		SL	F				W	S	R	BC	TL	T	P	A	
Glenwood Lbr. Co., Glenwood	M	15	DH		Y	DT	S							R			T	P		
Griswold Lbr. Co., Portland 4—See adv. p. 231	MW	70	DH	C	YS	DT	S							R	C	T			A	
Hills Creek Lbr. Co., Jasper	M	18	DH		Y	DT	SL							R	BC	T	T	P		
Hult Lbr. Co., Horton	M	18	D		Y	DT	S					W	S	R	BC	TL	T	P		
Ingham Lbr. Co., Glendale	M	37	D		YS	DT	SL						S	R	C					O
Jaymer Co., Hood River	M	27	DH	C	Y	DT	SL							R	C	TL	T	P		O
C. D. Johnson Lbr. Corp., Portland	M	150	DH	S	YS	DT	SL	M	SL		G		SI	R	BC	TL	BT		A	P
Kingsley Lbr. Co., Portland 9	M	36	DH		YS	DT	L							R		L	T			
Lausman Lbr. Co., Medford	W		D			DT														
L. H. L. Lumber Co., Carlton	M	60	D		Y	DT	L													
Long-Bell Lumber Co. (See Missouri Listing.)																				
Lorraine Valley Lbr. Co., Cottage Grove	M	30	DH	C	Y	DT	SL								C					
Medford Corp., Medford—See adv. p. 7	M	85	D		YS	DT	S	MF	SL	L			SI	R	C	L	T		K	
Mill City Mfg. Co., Portland	M	24	D		YS	DT	SL		S					R	C	L	T	P		
Morrill & Sturgeon Lbr. Co., Portland—See adv. p. 233	W		DH	SC	YS	DT	SL	MF	S	L	G	SW	SI	R	BC	TL	T		A	O
Multnomah Lbr. & Box Sales Co., Portland 1	M	30	D	S	YS	D			S				S	R					A	N
New Grand Ronde Lbr. Co., Willamina	M	30	D		YS	DT	S						S	R	BC					
O'Brien-Gram Spruce Co., Astoria	M	23		S					S			W	SI	R	B	TL	B		A	
Oregon-American Lbr. Corp., Vernonia—See adv. p. 216	M	100	DH		YS	DT	S	F	S	L			S	R	C					
Patrick Lbr. Co., Portland 5—See adv. p. 227	W		DH	SC	YS	DT	SL	MF	SL	L	G	W	SI	R	BC	TL	BT	P	AK	PP
Pope & Talbot, Inc. (See California Listing.)																				
Portland Lbr. Mills, Portland 8	M	48	D		Y	DT	SL						S	R	BC		T			
Port Orford Lbr. Co., Port Orford	M	36	D		Y	DT								R			T			

O—Other Woods N—Noble Fir DS—Doors & Screens P—Prefabricated Items PP—Ponderosa Pine

Douglas Fir, West Coast Hemlock, Sitka Spruce, Western Red Cedar

	M—Manufacturer W—Wholesaler	Annual Capacity Million Feet	D—Douglas Fir H—West Coast Hemlock	S—Sitka Spruce C—Western Red Cedar	Y—Yard Stock S—Shed Stock	D—Dimension T—Timbers	S—Select Structural Grades L—Long Timbers	M—Mouldings F—Flooring	S—Bevel Siding L—Log Cabin Siding	R—Red Cedar Shingles L—Lath	G—Gutter P—Plywood	S—Sash, F—Frames W—Window & Door Stock	S—Shop Lumber I—Industrial Cut Stock	R—Rough Clears G—Glued-up Stock	B—Boat & Ship Lumber C—Car Material	T—Turning Squares L—Ladder Stock	B—Box Shook & Crating T—Tank, Pipe and Silo Stock	P—Poles, Piling T—Treated Stock	A—Airplane Stock K—Knotty Paneling	Other
OREGON—Continued																				
Powers-Davis Lbr. Co., Lebanon	M	30	D		Y	DT	S						I	R	BC		T			
Prouty Lbr. & Box Co., Warrenton	M	60	D		YS	DT	SL	MF	S		G		S	R	BC	T	T	P	A	
Rosboro Lbr. Co., Springfield	M	50	DH	C	YS	DT	S	MF	SL		G		I	R	BC	L	T		A	O
Row River Lbr. Co., Portland 5	M	30	DH			DT							I							
Santiam Lbr. Co., Sweet Home	M	30	D		Y	DT	SL						SI	R	BC	L	T			
Shaw Lbr. Co., Yamhill	M	18	DH	C	Y	DT	S						S	R			T			
Smith Wood-Products, Inc., Portland—See adv. p. 179	M	45	D		YS	DT	SL	MF	S		P		S	R	BC	TL	T			*
Southeast Portland Lbr. Co., Portland 6	M	30	DH	C	YS	DT	SL	M			G		S	R	C		BT	P		
Stimson Lbr. Co., Forest Grove	M	45	D		YS	DT	S						S	R	C		T		A	O
Sullivan Lbr. Co., Portland—See adv. p. 236	W		DH	SC	YS	DT	SL	MF	SL	RL			SI	R	BC	TL	T	PT		
Swede Basin Lbr. Co., Grants Pass	M	20	D		Y	DT	S		S				S	R	C					
Tiller Mill & Lbr. Co., Medford	M	10	DH			DT	S							R	C					
Van Deinse Lbr. Sales Co., Portland 5—See adv. p. 216	W		DH	SC	YS	DT		F	S	R	P	FW								O
Walters-Bushong Lbr. Co., Eugene	M	14	D		YS	DT	S							R	C					
Walton Lbr. Co., Walton	M	12	D		Y	DT	S							R	C		T			
Wauna Lbr. Co., Wauna	M	60	D		YS	DT	SL	MF			G		SI	R	BC	T	T	T	A	
Edward Hines Lbr. Co., Westfir	M	60	DH		YS	DT	SL							R	BC		T			O
West Oregon Lbr. Co., Portland 9	M	50	DH			D												T		
Willamette Valley Lbr. Co., Dallas	M	100	DH	C	YS	DT	SL	M	S	R	G		SI	R	C	L	T	P	A	N
W. A. Woodard Lbr. Co., Cottage Grove	M	37	DH	C	YS	DT	S	MF				W	SI	R	C	TL	BT		A	X
WASHINGTON																				
Bloedel Donovan Lbr. Mills, Bellingham	M	200	DH	SC	YS	DT		MF	S	RL		FW	S				B			△
Canyon Lbr. Co., Everett	M	36	H		YS	DT	S		SL			W	SI	R	C	T	B			
Clark County Lbr. Co., Vancouver	M	12	DH	S	YS			M					SI	R	C	TL			A	N
Colonial Cedar Co., Seattle										R										CS
Columbia River Paper Mills, Vancouver	M	50	DH		YS	DT										L				
Defiance Lbr. Co., Tacoma	M	65	D		YS	DT	SL						S	R	BC				A	
Dubois Lbr. Co., Vancouver	M	15	D		Y	DT	SL								C					
Duncan Lbr. Co., Seattle 11	W		DH	SC		T	SL													
Eclipse Mill Co., Everett	M	55	DH	C	YS	DT	S	MF					SI	R	BC	L	T			
Gram Mfg. Co., Vancouver			DH	S				M	S				SI	R		L				
Gray Lbr. & Shingle Co., Seattle	MW	15	DH	SC	YS	DT	SL	MF	S	R				R	BC	L	T	P		
Grays Harbor Lbr. Co., Hoquiam	M	75	DH		S	DT	SL					W	S	R	BC	T	T		A	
Heidner & Co., Tacoma 1	W		DH	SC	YS	DT		MF	S		P		I							
Wm. Hulbert Mill Co., Everett	M	33		C	YS			M	SL	R	G			R	B	T				Z
Karlen-Davis Co., Tacoma 1—See adv. p. 194	MW	50	DH	SC	YS	DT	S	F	S				I	G	BC					
Klement Timber Co., Fortson	MW	15	DH	C	YS	DT	SL	F					S		BC	T				1
Long-Bell Lumber Co., Longview	M		DH		YS	DT	SL	MF			P	SW	SI	RG	BC	TL	T	PT	A	2
E. C. Miller Cedar Lbr. Co., Aberdeen	M	15		C	YS	DT		MF	SL	RL	G		S				T		K	
Mauk Seattle Lbr. Co., Seattle 1—See adv. p. 233	MW		DH	SC	YS	DT	SL	MF	SL	RL	P	SW	SI	R	BC	TL	BT		K	O
Morrison Mill Co., Anacortes	M	60	H	S	YS		S						SI	R		L	B		A	
Mutual Lbr. Co., Bucoda	M	60	DH	C	YS	DT	S							R	BC					

*—Port Orford Cedar
N—Noble Fir
#—Canadian White Spruce

△—Sash, Doors, Screens
†—Linderman Machine Stock
1—Soft Maple A.D. Dim. & Const. Bds.

Z—Glued-Up Dimension, Linderman Stock
2—Frames, Doors & Screens

O—Other Woods
CS—Cedar Shakes and Stained Shingles.
X—Kiln Dried Fir Plank and Small Timbers, No. 3 to Sel. Structural

Douglas Fir, West Coast Hemlock, Sitka Spruce, Western Red Cedar

	M—Manufacturer W—Wholesaler	Annual Capacity Million Feet	D—Douglas Fir H—West Coast Hemlock	S—Sitka Spruce C—Western Red Cedar	Y—Yard Stock S—Shed Stock	D—Dimension T—Timbers	S—Select Structural Grades L—Long Timbers	M—Mouldings F—Flooring	S—Bevel Siding L—Log Cabin Siding	R—Red Cedar Shingles L—Lath	G—Gutter P—Plywood	S—Sash F—Frames W—Window & Door Stock	S—Shop Lumber I—Industrial Cut Stock	R—Rough Clears G—Glued-up Stock	B—Boat & Ship Lumber C—Car Material	T—Turning Squares L—Ladder Stock	B—Box Shook & Crating T—Tank, Pipe and Silo Stock	P—Poles, Piling T—Treated Stock	A—Airplane Stock K—Knotty Paneling	O—Other
WASHINGTON—Continued																				
Nettleton Timber Co., Seattle 14	M	50	DH	C	YS	DT	S	F		L					B	L	T			□
V. W. North Plywood & Lbr. Co., Seattle	W		DH	SC	YS	DT					P		I							
Polson Lbr. & Shingle Mills, Hoquiam	M	75	D	S	YS	DT	S						S	R	C	L	BT		A	
Robinson Mfg. Co., Everett	M	75	D		YS	DT	S	M			GP	SW	SI	R	BC	TL	T		A	★
St. Paul & Tacoma Lbr. Co., Tacoma 2	M	100	DH	C	YS	DT	S	MF	SL	L	G				BC		T			
Seattle Cedar Lbr. Mfg. Co., Seattle 7	M	45		C	Y			M	S	R					B		T			¶
Stimson Mill Co., Seattle 7—See adv. p. 214	M	90	DH		Y	DT	S				P		I	R	C					X
Stimson Mill Co., Seattle 7—See adv. p. 120	MW	50	DH	C	YS	DT	S	F		L			S							
A. C. Tebb Lbr. Corp., Aberdeen	M	9	D	C							G									
Tacoma Export Lbr. Co., Tacoma 1	M	30	D	C	Y	DT	S							R	B					
Twin Harbors Lbr. Co., Aberdeen—See adv. p. 55	MW		DH	SC	YS	DT	SL	M	S	RL			SI		BC		T			O
Walton Lbr. Co., Everett	M	45	DH	S	YS	DT	S	MF	SL		G	W	SI	R	BC	L	T		A	N
Washington Mfg. Co., Tacoma	M		D					M			G	F		G						U
Washington Veneer Co., Olympia	M	30	DH	C	Y	DT	S			L	P		S	R	B	T				
West Waterway Lbr. Co., Seattle 14	M	30	D	C		DT														
Weyerhaeuser Sales Co., (See St. Paul, Minn.)																				
Wheeler, Osgood Co., The, Tacoma 1	M		D								P									¶
White River Lbr. Co., Enumclaw	M		DH		YS	DT	S	M	S				I	R	C	L	T			
White Star Lbr. Co., Whites	M	37	DH		YS	DT	SL	M		R	G	W	S		BC	TL	T	P	A	
Willapa Harbor Lbr. Mills, Raymond	M	180	DH	C	YS	DT	SL	M	SL	R		W	SI	R	BC	T	T		A	
BRITISH COLUMBIA																				
Canadian Forest Products, Ltd., Vancouver	M	90	DH	C	YS	DT		MF		R	P		SI	R						
Canadian Western Lbr. Co., Vancouver																				
Goodwin Johnson, Ltd., Vancouver—See adv. p. 220			D	C														P		
Hammond Cedar Co., Hammond	M	40		C	S			MF	S	R										
H. R. MacMillan Co., Ltd., Vancouver																				
Robertson & Hackett Sawmill Co., Vancouver	M	35	DH	C	YS	DT	SL	F	S	R		W	SI	R	C	L				
Thurston-Flavelle Ltd., Port Moody	M	30		C					S	RL										

O—Other Softwoods
□—Prefabrication and Processing

U—Cl. Fir Finish, Porch, Stairs, Hand Rails; Built-Up Columns

X—Doors, Sash, Special Woodwork
N—Noble Fir

★—Doors, Windows, Sash
¶—Complete Line House & Garage Doors

Hardwood Flooring and Other Items

	Oak	Maple	Beech	Birch	Gum	Pecan	Strip	Plank	Herringbone	Block	Factory Finished	Treated Flg. & Lumber	Pine Lumber	So. Hardwoods	Appal. Hardwoods	North. Hardwoods	Hardwood Trim	Cypress Trim	Pine Trim	Pine Flooring
Anchor Lbr. Co., Parkersburg, W. Va.	X	X	X	X		X	X			X		X			X					
Anderson-Tully Co., Memphis, Tenn.—See adv. p. 217	X						X						X	X						
Arkansas Oak Flooring Co., Pine Bluff, Ark.	X		X				X	X	X					X			X	X		
Atlanta Oak Flooring Co., Atlanta, Ga.	X	X	X	X			X	X				X		X	X	X	X	X	X	
Babcock Lbr. Co., Pittsburgh 19—See adv. p. 186	X	X	X	X			X				X		X	X	X	X			X	X
P. M. Barger Lbr. Co., Statesville, N. C.	X	X	X	X	X		X			X	X		X	X	X	X	X	X	X	X
Barnes Lbr. Corp., Charlottesville, Va.	X				X		X		X					X			X	X	X	X
Blount Lbr. Co., Lacona, N. Y.		X	X	X			X													
Bond-Woolf & Co., Alcoa, Tenn.	X						X						X	X	X					X

Hardwood Flooring and Other Items

	Oak	Maple	Beech	Birch	Gum	Pecan	Strip	Plank	Herringbone	Block	Factory Finished	Treated Flg. & Lumber	Pine Lumber	So. Hardwoods	Appal. Hardwoods	North. Hardwoods	Hardwood Trim	Cypress Trim	Pine Trim	Pine Flooring
Boydton Mfg. Co., Boydton, Va.	X						X													
Bradley Lbr. Co., Warren, Ark.—See adv. p. 35	X		X			X	X			X	X		X	X			X	X	X	X
C. A. Briggs Lbr. & Mfg. Co., Scotdale, Pa.	X	X					X	X												
E. L. Bruce Co., Memphis, Tenn.	X	X	X			X	X	X	X	X	X	X	X	X			X		X	X
Carr Lbr. Co., Pisgah Forest, N. C.—See adv. p. 235	X	X					X								X					
Central Oak Products Co., Nashville, Tenn.	X	X	X				X	X						X	X					
Charleston Lbr. Co., Charleston, W. Va.	X						X													
Clarke County Lbr. Co., Thomasville, Ala.	X				X								X	X						
Colonial Hardwood Flooring Co., Hagerstown, Md.	X						X													
Conner Lbr. and Land Co., Marshfield, Wis.—See adv. p. 188	X	X		X			X					X	X			X				
A. B. Cook Co., Malvern, Ark.	X				X		X						X	X			X	X		
Cotton & Hanlon, Odessa, N.Y.	X	X	X				X	X		X			X		X	X	X			
Crossett Lbr. Co., Crossett, Ark.	X						X					X	X	X					X	X
De Soto Hardwood Flooring Co., Memphis, Tenn.	X						X	X						X			X			
Dierks Lbr. & Coal Co., Kansas City 6, Mo.—See adv. p. 216	X						X						X	X			X		X	X
Emporium Forestry Co., Conifer, N. Y.		X	X	X			X						X			X				X
Evans Hardwood Flooring Co., St. Louis, Mo.	X	X					X													
Exchange Sawmills Sales Co., Kansas City 6, Mo.	X						X						X	X					X	X
D. L. Fair Lbr. Co., Louisville, Miss.	X		X		X	X	X						X	X			X		X	X
M. B. Farrin Lbr. Co., Cincinnati, O.—See adv. p. 207	X	X	X	X	X		X	X	X	X	X	X			X		X	X		
W. T. Ferguson Lbr. Co., St. Louis 1, Mo.—See adv. p. 182	X	X			X		X				X	X	X	X					X	X
Fordyce Lbr. Co., Fordyce, Ark.	X						X					X	X	X			X	X	X	X
Frost Lbr. Industries Inc., Shreveport, La.—See adv. p. 149	X		X			X	X	X				X	X	X			X		X	X
Frost Lbr. Industries Inc., Shreveport, La.	X		X		X	X	X	X				X	X	X			X	X	X	X
Georgia Hardwood Lbr. Co., Augusta, Ga.—See adv. p. 217	X	X	X	X	X	X	X	X		X	X	X	X	X	X			X	X	X
Geo. C. Griffith Stave Co., Springfield, Mo.	X						X						X	X						
Hallett Mfg. Co., Mobile 2, Ala.	X				X		★						X				X		X	
Harris Mfg. Co., Johnson City, Tenn.	X	X	X				X	X	X		X									
Holt Hardwood Co., Oconto, Wisc.—See adv. p. 146	X	X	X	X			X		X	X		X	X			X				
Kirby Lbr. Corp., Houston 1, Tex.—See adv. p. 229	X						X						X	X					X	X
A. H. Leathers Mfg. Co., Dickson, Tenn.	X		X				X													
Lightsey Bros., Miley, So. Car.—See adv. p. 217	X	X			X		X						X	X					X	X
Long-Bell Lbr. Co., Kansas City 6, Mo.	X						X	X					X	X			X		X	X
McMinnville Mfg. Co., McMinnville, Tenn.	X	X	X				X										X			
Marsh Lbr. Co., Dover, Ohio	X	X	X				X	X								X	X		X	
Meadow River Lbr. Co., Rainelle, W. Va.—See adv. p. 207	X	X	X	X		X	X	X	X						X		X			
Memphis Hardwood Flooring Co., Memphis, Tenn.	X		X			X	X	X	X	X	X			X						
Merit Oak Flooring Co., Birmingham 1, Ala.	X		X				X													
Miller Bros. Co., Johnson City, Tenn.	X	X	X	X			X	X		X					X		X			
Missouri Floor Co., St. Louis, Mo.	X	X					X													
Mobile River Saw Mill Co., Mt. Vernon, Ala.	X						X								X					
Monterey Hardwood Flooring Co., Monterey, Tenn.	X	X	X				X													
Mower Lbr. Co., Charleston, W. Va.—See adv. pp. 186-207	X	X	X	X			X						X		X		X			
J. Natwick & Co., Baltimore, Md.	X	X					X								X					
Nickey Bros., Inc., Memphis, Tenn.—See adv. p. 59	X	X	X	X		X	X	X						X	X	X	X	X	X	
North Branch Flooring Co., Chicago	X	X					X								X	X	X			
R. C. Owen Co., Hopkinsville, Ky.	X	X	X				X	X						X			X			

★—Plain End *—Parquet

Hardwood Flooring and Other Items

	Oak	Maple	Beech	Birch	Gum	Pecan	Strip	Plank	Herringbone	Block	Factory Finished	Treated Flg. & Lumber	Pine Lumber	So. Hardwoods	Appal. Hardwoods	North. Hardwoods	Hardwood Trim	Cypress Trim	Pine Trim	Pine Flooring
Ozark Oak Flooring Co., Bismarck, Mo.	X						X													
Frank Paxton Lbr. Co., Kansas City, Kans.—See adv. p. 190	X	X	X	X		X	X	X		X	X			X						
Phillips Wood Products Co., Memphis 4, Tenn.	X	X	X	X	X	X	X	X		X	X		X	X			X			
W. M. Ritter Lbr. Co., Columbus, O.—See adv. p. 207	X	X	X				X		X	X	X		X	X	X		X	X		
Robbins Flooring Co., Rhinelander, Wis.	X	X	X	X			X		*	X										
D. M. Rose & Co., Knoxville 4, Tenn.	X	X	X				X	X							X		X			
Scotch Lbr. Co., Fulton, Ala.—See adv. p. 224	X						X						X	X					X	X
Southern Lbr. Co., Warren, Ark.	X		X				X						X	X					X	X
Southern Pine Lbr. Co., Texarkana, Tex.	X		X			X	X						X	X			X	X	X	X
Geo. J. Silbernagel, 8 So. Michigan, Chicago 3—See adv. p. 176	X	X					X						X	X					X	X
E. A. Stewart Lbr. Co., Texarkana, Tex.	X						X							X						
Wm. C. Schreiber Lbr. Co., Chicago 16, Ill.—See adv. p. 206	X	X		X			X						X		X					
Stowers Lbr. & Mfg. Co., Harriman, Tenn.	X						X													
Stuart Lbr. Corp., Stuart 10, Va.	X	X	X				X	X		X	X				X		X			
Virginia Oak Flooring Co., Pulaski, Va.	X						X			X			X[1]		X		X			
H. E. Webster Lbr. Co., Kansas City 6, Mo.	X	X	X				X						X	X						
J. W. Wells Lbr. Co., Menominee, Mich.		X		X			X													
Williams & Voris Lbr. Co., Chattanooga, Tenn.	X	X	X				X							X	X					
Wood Mosaic Co., Inc., Louisville 9, Ky.—See adv. p. 207	X	X	X				X	X	X	X	X			X	X					
W. R. Wrape Stave Co., Little Rock, Ark.	X					X	X	X						X			X			
Yawkey-Bissell Lbr. Co., White Lake, Wis.	X	X		X			X	X	X				X			X				

*—Parquet

1—White Pine Only

BRAND NAMES DIRECTORY

The following list of brand or trade names has been compiled primarily from information submitted by the concerns mentioned and from their advertising. Every reasonable precaution has been taken to insure accuracy, but no responsibility can be assumed for omissions or errors.

Many companies use like or similar trade names—and identification of a particular trade name with a certain manufacturer in this list does not necessarily indicate that he alone uses or has the exclusive right to use such trade name.

To make this Directory as helpful as possible to buyers an effort has been made not only to identify each brand or trade name with the manufacturer or distributor, but also with the principal products it is used to identify.

AAA saw clamps, hacksaws: E C Atkins & Co Indianapolis 9 Ind

A-B ranges: A-B Stoves Div Detroit-Michigan Stove Co Battle Creek Mich

ABC installment selling plan, financing service: Allied Bldg Credits Inc St Paul 1 Minn

ABC payroll system: The Todd Co Inc Rochester 3 N Y

A B C oil burners, water heaters: Automatic Burner Corp 1823 W Carroll Chicago 12 Ill

ABK resinoid wheels: Rapids-Standard Co Inc Grand Rapids 2 Mich

A E stoker: American Engineering Co Philadelphia 25 Pa

AGM, KAMPKOOK, KITCHENKOOK, SUN FLAME lanterns, stoves, heaters: American Gas Machine Co Albert Lea Minn

A GRADE handles: Marion Handle Mills Inc Marion Va

A-MOL hacksaws: E C Atkins & Co Indianapolis 9 Ind

A-S-E materials handling equipment, lockers etc: All-Steel Equipment Co Aurora Ill

A W cut nails, floor plate: Alan Wood Steel Co Conshohocken Pa

A-Y yard stock, factory lbr, mouldings, bevel siding, paneling etc: Alexander-Yawkey Lbr Co Prineville Ore

ABESTO roofing adhesives, waterproofing compounds, termite control: Abesto Mfg Corp Michigan City Ind

ABINGDON bathroom accessories, plumbing fixtures, sinks: Abingdon Potteries Inc Abingdon Ill

ABRASIVEWAY grinding Wheels: Simonds Abrasive Co Philadelphia 37 Pa

ACCO chain: American Chain Div American Chain & Cable Co Inc York Pa

ACE handles: Marion Handle Mills Inc Marion Va

ACE HIGH glues: Consumers Glue Co St Louis 6 Mo

ACID-CAUSTICBOND resin coating: The Wilbur & Williams Co Boston 16 Mass

ACIDOL cement: The Sullivan Co Memphis 2 Tenn

ACME plaster: Certain-teed Products Corp 120 S LaSalle St Chicago 3 Ill

ACME spring hinges: The Cleveland Lock Works Div of Consolidated Iron-Steel Mfg Co Cleveland 14 Ohio

ACME QUALITY paints, varnishes, enamels, lacquers, insecticides: Acme White Lead & Color Works Detroit 11 Mich

ACOUSTOLIGHT (Barreled Sunlight) paint: U S Gutta Percha Paint Co Dept 19 Dudley & Eddy Sts Providence 1 R I

ACOUSTONE tile: United States Gypsum Co 300 W Adams St Chicago 6 Ill
ACROLITE grinding wheels: E C Atkins & Co Indianapolis 9 Ind
ACTIV-AIR furnaces; **ACTIV-FLAME** oil burners: The Heil Co Milwaukee 1 Wis
ACTRITE insecticides, pipe cleaner: The Pioneer Mfg Co Cleveland 4 Ohio
AD-EL-ITE kalsomine, paint & varnish remover: The Glidden Co Cleveland 2 O
ADAFLINT hardener: Adensite Co Inc 37-19 23rd St Long Island City N Y
ADD-OIL paint: Pratt & Lambert Inc Buffalo 7 N Y
ADENSITE waterproofing & floor hardener: Adensite Co Inc 37-19 23rd St Long Island City N Y
ALHESO glues: Consumers Glue Co St Louis 6 Mo
AERO hose: Republic Rubber Div Lee Rubber & Tire Corp Youngstown 1 O
AEROMIST glass cleaner: Boyle-Midway Inc Jersey City 2 N J
AETNA sash cord: Samson Cordage Works Boston 10 Mass
AGATITE cement plaster: Certain-teed Products Corp 120 S LaSalle St Chicago 3 Ill
AGLITES lighting units: Edwin F Guth Co St Louis 3 Mo
AIR BOND refractory cement: Seaboard Refractories Co Perth Amboy N J
AIR-O-MATIC air conditioning units: Williams Oil-O-Matic Div Eureka Williams Corp Bloomington Ill
AIR-SLAB veneered doors: Farley & Loetscher Mfg Co Dubuque Iowa
AIR-VENT asphalt & asbestos felt: The Ruberoid Co 500 Fifth Av New York 18 N Y
AIRFLOW door closer: Newell Mfg Co Lowell Mich
AIRJECTOR, AIRMOVER ventilator: The Swartwout Co Cleveland 12 Ohio
AIRMASTER fans, ventilators: Airmaster Corp 4317 Ravenswood Av Chicago 13 Ill
AIRTOPIA air conditioners: Drayer & Hanson Los Angeles 21 Cal
AJAX chisels: The Bridgeport Hardware Mfg Corp Bridgeport 5 Conn
AJAX spring hinges: Chicago Spring Hinge Co 1500 Carroll Av Chicago 7 Ill
AL-OX abrasives: Clover Mfg Co Norwalk Conn
ALABASTINE calcimine, enamels, paints, etc: Alabastine Paint Products Grand Rapids 9 Mich
ALBI-"R" paint: Albi Firepel Corp 9 Park Place New York 7 N Y
ALCLAD screen wire: Aluminum Co of America Pittsburgh 19 Pa
ALCOA ALCLAD ALUMINUM screen wire: Aluminum Co of America Pittsburgh 19 Pa
ALDURA wire screen: New York Wire Cloth Co 500 Fifth Av New York 18 N Y
ALFCOSPRAY spray nozzle: American-La France-Foamite Corp Elmira N Y
ALFRESCO paint: The Reardon Co St Louis 6 Mo
ALGER BRAND lumber & timbers: The Alger-Sullivan Lbr Co Century Fla
ALL AMERICAN folding rules: Eagle Rule Mfg Corp 514 Hunts Point Av New York 59 N Y
ALL-LITE door: Clark Door Co Inc Newark 8 N J
ALL PURPOSE paint, enamel: 20th Century Paint & Varnish Co 30 Roebling St Brooklyn 11 N Y
ALL-WHEEL-DRIVE trucks: Marmon Herrington Co Inc Indianapolis 7 Ind
ALLEN-WALES adding machines: National Cash Register Co Dayton 9 Ohio
ALLIGATOR belt lacing, V belt fasteners, belt cutters: Flexible Steel Lacing Co 4607 Lexington St Chicago 44 Ill
ALLIS engines, sawmill machinery: Allis-Chalmers Mfg Co Milwaukee 1 Wis
ALLITH hardware: Allith-Prouty Inc Danville Ill
ALLWAY saws: John H Graham & Co Inc 105 Duane New York 8 N Y
ALLWEATHER shingles: The Flintkote Co 220 E 42nd St New York 17 N Y
ALUMALUN stair treads: American Abrasive Metals Co Irvington 11 N J
ALUMBRITE paint, enamel: Thompson & Co Oakmont Pa
ALUMEX firebrick, kiln liners: Mexico Refractories Co Mexico Mo
ALUMINUM TOP fence posts: Keystone Steel & Wire Co Peoria 7 Ill
ALUNDUM grinding wheels, refractories, tiles, treads: Norton Co Worcester 6 Mass
ALWINTITE windows: The Aluminum Window Corp 34-19 Tenth Long Island City 1 N Y
AMBERLITE adhesives: The Resinous Products & Chemical Co Philadelphia 5 Pa
AMBERLYTE enamels, varnish: Martin Varnish Co 900 W 49th Pl Chicago 9 Ill
AMERICAN cabinet hardware: American Cabinet Hardware Corp Rockford Ill
AMERICAN chain: American Chain Div American Chain & Cable Co Inc York Pa
AMERICAN cranes, hoists, log loaders etc: American Hoist & Derrick Co St Paul 1 Minn
AMERICAN lumber crayons: American Crayon Co Sandusky Ohio
AMERICAN sawmill machinery: American Saw Mill Machinery Co Hackettstown N J
AMERICAN sinks, cabinets: American Central Mfg Corp Connersville Ind
AMERICAN tacks, nails, fence, gates, posts, springs, barbed wire, clothes-lines, steel sheets: American Steel & Wire Co Cleveland 13 Ohio; Columbia Steel Co San Francisco 6 Cal and Tennessee Coal, Iron & Railroad Co Birmingham Ala
AMERICAN vises, scales, jack screws: American Scale Co Kansas City 6 Mo
AMERICAN ALL STEEL load binders, car door rollers: American Logging Tool Co Evart Mich
AMERICAN COLONIAL ASBESTOS SHINGLES: Johns-Manville Corp 22 E 40th St New York 16 N Y
AMERICAN DeLUXE, LIGHT EIGHT, LOW BOY, LUSTRE-FINISH, PENTRA SEAL, SANDER PLANE: floor polisher, floor sander, disc sander & scrubber, floor polish, seal, belt sander: American Floor Surfacing Machine Co Toledo 3 Ohio
AMERICAN SPEEDY SPINNER, SPINNER, STANDARD EIGHT, STANDARD TWELVE disc sanders, floor edgers, floor sanders, wax: American Floor Surfacing Machine Co Toledo 3 Ohio
AMERICAN WOOD BOWSTRING TRUSSES: American Roof Truss Co 6848 Stony Island Av Chicago 49 Ill
AMERLINE plumbing fixtures, molded plastics, hooks: Amerline 1753 N Honore St Chicago 22 Ill
AMEROCK hardware: American Cabinet Hardware Corp Rockford Ill
AMPHENOL clothesline, cord, plastic mouldings, rope preservative, resin: American Phenolic Corp 1830 S 54th St Chicago 50 Ill
AMSCO chamois: American Sponge & Chamois Co 47 Ann St New York 7 N Y
AMURSEAL asphalt Coating: Anti-Hydro Waterproofing Co Newark 8 N J
ANCHOR paint: The Barrett Div Allied Chemical & Dye Corp 40 Rector St New York 6 N Y
ANCHOR fences, gates: Anchor Post Fence Co Baltimore 24 Md
ANCHOR wall ties: Merwin Mfg Co Erie Pa
ANDERSEN window units, door & window frames: Andersen Corp Bayport Minn
ANSULATE building paper: Angier Sales Corp Framingham Mass
ANTHONY hoists: Anthony Co Streator Ill
ANTI-HYDRO waterproofer, hardener, dust-proofer: Anti-Hydro Waterproofing Co Newark 8 N J
ANTIHYDRO belt cement: Webb Belting Co Kansas City 7 Mo
ANVIL tackle blocks: Western Block Co Lockport N Y
APCO pumps, water systems: Aurora Pump Co Aurora Ill
APEX fire brick: Walsh Refractories Corp St Louis 7 Mo
APEX wall size: Cleveland Cleaner & Paste Co Cleveland 2 Ohio
APEX washers, ironers, vacuum cleaners: Apex Rotarex Corp Cleveland 10 Ohio
AQUADAM roofing cement, floor sealer: Blue Ridge Talc Co Inc Henry Va
AQUAPROOF asphalt roofing: Ford Roofing Products Co 111 W Washington St Chicago 2 Ill
ARCHITECT DESIGNED window & door frames, porch & lawn furniture, tables, glued-up stock etc: Kinzua Pine Mills Co Kinzua Ore
ARCHITECTURAL varnish: 20th Century Paint & Varnish Co 30 Roebling St Brooklyn 11 N Y
ARCTIC AIRE fans, ventilators: F A Smith Mfg Co Inc Rochester 2 N Y
ARGOTILE siding: The Flintkote Co 220 E 42nd St New York 17 N Y
ARIDCLEAR dampproofer: Anti-Hydro Waterproofing Co Newark 8 N J
ARISTO-BRIC siding: The Ruberoid Co 500 Fifth Av New York 18 N Y
ARIDTITE plaster bond: Anti-Hydro Waterproofing Co Newark 8 N J
ARISTON windows, doors, metal products: Michel & Pfeffer Iron Wks Inc San Francisco 3 Cal
ARKANSAS SOFT PINE (Reg T M) Arkansas Soft Pine Bureau Little Rock Ark
ARM-R wood preservatives, finishes, toxics: Forman, Ford & Co Minneapolis 1 Minn
ARMCO steel, iron: American Rolling Mill Co Middletown Ohio
ARM-GLAZE glazing compound: Armstrong Co 4065 S La Salle St Chicago 9 Ill
ARMOR SPAR varnish: R F Johnston Paint Co Cincinnati 12 Ohio
ARMORIZE paints: Carter Paint Co Liberty Ind
ARMORTOP cement floor hardener & dustproofer: Anti-Hydro Waterproofing Co Newark 8 N J
ARMOUR glue: Armour & Co Glue Div 1355 W 31st St Chicago 9 Ill
ARMSTRONG heaters, sprayers, ironers etc: Armstrong Products Corp Huntington 12 W Va
ARMSTRONG plumbers' tools: Armstrong Mfg Co Bridgeport 8 Conn
ARMSTRONG'S putties, caulking compounds: The Armstrong Co 4065 S LaSalle St Chicago 9 Ill
ARR-O-LINE louvers: Arr-O-Line Manufacturers Minneapolis 8 Minn
ARROW barbed wire: Keystone Steel & Wire Co Peoria 7 Ill
ARROW dry paste: Pyramid Process Co Inc East Rochester N Y
ARROW wood tanks: Arrow Tank Co Inc Buffalo 14 N Y
ART BRIC siding: Bird & Son Inc East Walpole Mass
ART EDGE roofing: Bird & Son Inc East Walpole Mass
ATECO bulldozers, roadbuilders, scrapers, tampers, rippers, loaders, subsoilers: American Tractor Equipment Corp Oakland 3 Cal
ATKINITE grinding wheels: E C Atkins & Co Indianapolis 9 Ind
ATLANTIC wood screws: Atlantic Screw Works Hartford Conn
ATLAS bolts, nuts, screws: Atlas Bolt & Screw Co Cleveland 10 Ohio
ATLAS Portland Cements, **DURAPLASTIC** Universal Atlas Cement Co 135 E 42nd St New York 17 N Y
ATLAS LUMNITE refractory cement: Universal Atlas Cement Co 135 E 42nd St New York 17 N Y
AUER registers, grilles, clothes chute doors & frames: Auer Register Co Cleveland 14 Ohio
AUTOGRAF hammers, hatchets: Fayette R Plumb Inc Philadelphia 37 Pa
AUTOSAN dishwashing machines: Colt's Patent Fire Arms Mfg Co Hartford 15 Conn
AVENARIUS CARBOLINEUM wood preservative, stain, termite control: Carbolineum Wood Preserving Co Milwaukee 3 Wis
AZTEX cement dye, plaster stains: The Sullivan Co Memphis 2 Tenn
AZTEX firebrick: Mexico Refractories Co Mexico Mo
B B DARTMOUTH HARVARD, YALE, PRINCETON mop heads; **B B DUST ARRESTORS** mops: Howard Dustless Duster Co Boston 10 Mass
B S C lumber: Brooks Scanlon Corp Foley Fla
BAB-O tile & terrazzo floor cleaner: B T Babbitt Inc 386 4th Av New York 16 N Y
BABBITT'S LYCONS chemical pipe cleaners: B T Babbitt Inc 386 4th Av New York 16 N Y
BABY TAPERS shingles: The Flintkote Co 220 E 42nd St New York 17 N Y
BACHERT fireproofing for timber etc: Protexol Corp Kenilworth 4 N J
BADGER step ladders: Breyer Bros Whiting & Co Waupun Wis
BALDWIN REX conveyors, roller & drive chains, concrete mixers, flexible shaft couplings, log haul-ups, log loaders, sump pumps, sprocket wheels: Chain Belt Co Milwaukee 4 Wis
BALSAM-WOOL insulation: Wood Conversion Co St Paul 1 Minn
BALTIMORE chisels, plumbing tools, punches, star drills: Baltimore Tool works Baltimore 30 Md
BANNER, BANNER BOY lime: National Mortar & Supply Co Pittsburgh Pa
BANNER BRAND & BANNER REBURNED fire brick: Chicago Fire Brick Co 1461 N Elston Av Chicago 22 Ill
BARBER-GREENE portable belt, conveyors: Barber-Greene Co Aurora Ill

BARCOL overhead doors, electric operators & radio control for doors & gates: Barber-Colman Co Rockford Ill

BARLIK tile design board: Tylac Co Monticello Ill

BARRELLED SUNLIGHT paint products: U S Gutta Percha Paint Co Dept 19 Dudley & Eddy Sts Providence 1 R I

BARRETT asphalt shingles & sidings, roll roofings, rock wool, insulation, black paints, roof coatings & protective products: The Barrett Div Allied Chemical & Dye Corp 40 Rector St New York 6 N Y

BASE-RAY radiant baseboard radiation: Burnham Boiler Corp Irvington-on-Hudson N Y

BEAVER clothes line: Samson Cordage Works Boston 10 Mass

BEAVER cross-cut saws: Henry Disston & Sons Inc Tacony Philadelphia 35 Pa

BEAVER or BEAVER & SHIELD fibreboard, roofing, shingles; plasters, gypsum wallboards, bldg papers, stucco, lath: Certain-teed Products Corp 120 S LaSalle St Chicago 3 Ill

BELC Balsa wood: Balsa Ecuador Lbr Corp 500 Fifth Av New York 18 N Y

BELMONT metallic waterproofing, sash weights: Belmont Smelting & Refining Works Inc 330 Belmont Av Brooklyn 7 N Y

BELSAW POWER FEED RIP SAW: rip, saw guards, saw repairs & adjustments: Equipment Engineering Co Kansas City 2 Mo

BELVALIER venetian blinds: Clark & Hammer Inc Belleville 9 N J

BENGAL sash cord: Silver Lake Co 99 Chauncy St Boston 11 Mass

BENNETT fireplaces, supplies & equipment: Bennett-Ireland Norwich N Y

BEST chimney caps, flue thimbles, revolving chimney tops: Sterling Foundry Co Sterling Ill

BEST locks & builders' hardware: Best Universal Lock Co Indianapolis 4 Ind

BEST-BODIED paint: The Foy Paint Co Inc Cincinnati 12 Ohio

BEST OAK handles: Temple-White Co Inc Diboll Tex

BESTPINE WOODWORK: Western Pine Mfg Co Spokane Wash

BESTWALL gypsum boards, joint system, joint filler: Certain-teed Products Corp 120 S LaSalle St Chicago 3 Ill

BETTERBILT barn equipment: Mitchell Mfg Co Milwaukee 7 Wis

BEVIL DEVIL insulation board cutter: Kimball Mfg Co Inc Royal Oak Mich

BEVIN door bells & chimes: John H Graham & Co Inc 105 Duane New York 8 N Y

BIG RED FENCE: Illinois Wire & Mfg Co Joliet Ill

BILCO area walls, cellar bulkheads, bulkhead doors, sidewalk doors, fire escapes, fireplace units, outdoor fireplaces, louvres, roof scuttles: Bilco Mfg Co New Haven 6 Conn

BILTMORE hardwoods, flooring: Carr Lumber Co Pisgah Forest N C

BILT-WELL woodwork: Carr, Adams & Collier Co Dubuque Iowa

BITE-RITE files: Henry Disston & Sons Inc Tacony Philadelphia 35 Pa

BLACK BEAUTY creosoted products: Texas Creosoting Co Orange Tex

BLACK CAT paint: Black Cat Corp Hattiesburg Miss

BLACK DIAMOND pitch: The Barrett Div Allied Chemical & Dye Corp 40 Rector St New York 6 N Y

BLACK FLAG insecticides, sprayers: Boyle-Midway Inc Jersey City 2 N J

BLACK SHEATHING BOARD insulation board: The Flintkote Co 220 E 42nd St New York 17 N Y

BLACK SHIELD sheathing: The Barrett Div Allied Chemical & Dye Corp 40 Rector St New York 6 N Y

BLACK SWAN adhesives, caulking & glazing compound, roofing cement, paint brush cleaner, caulking guns, putty, wallpaper remover: Black Swan Mfg Co 2235 W Grand Av Chicago Ill

BLACK WATERPROOF PAPER roofing, siding, flooring: The Flintkote Co 220 E 42nd St New York 17 N Y

BLAZE-PRUF paint: Wilbur & Williams Co Boston 16 Mass

BLO-FAN ventilator: Pryne & Co Inc Los Angeles 54 Cal

BLOCKEDGE roofing: Certain-teed Products Corp 120 S LaSalle St Chicago 3 Ill

BLOW-RITE fans for industrial fans: Jacksonville Blow Pipe Co Jacksonville Fla

BLUE BONNET bale ties: American Steel & Wire Co Cleveland 13 Ohio and Columbia Steel Co San Francisco 6 Cal

BLUE BOY hoists: Columbus McKinnon Chain Corp Tonawanda N Y

BLUE BRUTE concrete construction equipment etc: Ransome Machinery Co Dunellen N J

BLUE HEART manila rope: Hooven & Allison Co Xenia Ohio

BLUE RIBBON ladders, scaffolds: Goshen Mfg Co Goshen Ind

BLUE RIDGE colors for mortar, stucco, masonry: Blue Ridge Talc Co Henry Va

BLUE RIDGE, FROSTED AKLO GLASS, SECURIT glass: Libbey-Owens-Ford Glass Co Toledo 3 O

BLUE-STRIPE silicon carbide paper & cloth: Clover Mfg Co Norwalk Conn

BOB-CAT hoists: Lisbon Hoist & Crane Co Lisbon Ohio

BONDEX waterproof cement paint, primer: The Reardon Co St Louis 6 Mo

BONDLITE bonding oil paint: Wilbur & Williams Co Boston 16 Mass

BONDWOOD powdered casein glue: Franklin Glue Co Columbus 15 Ohio

BONE-DRI insulation: B F Nelson Mfg Co Minneapolis 13 Minn

BONTEX window shade cloth: Columbus Coated Fabrics Corp Columbus 16 Ohio

BOROLON grinding wheels, polishing grain: Simonds Abrasive Co Philadelphia 37 Pa

BOSS PLY-E-Z weatherstrip: W J Dennis & Co 1732 N Kolmar Av Chicago 39 Ill

BOSTON paints, varnishes, enamels: Boston Varnish Co Boston 49 Mass

BOWKERS arsenate of lead insecticide: American Agricultural Chemical Co 50 Church St New York 7 N Y

BOYD fire brick: Robinson Clay Product Co Akron 8 Ohio

BOYER iron cement, cleaners, belt dressing, insecticides, chemical pipe cleaners, pipe joint compound; floor & furniture polish: Boyer Chemical Laboratory Co 2700 S Wabash Av Chicago 16 Ill

BRADLEY BRAND pre-finished hdwd flg: Bradley Lbr Co of Ark Warren Ark

BRADLEY BRAND wood products: Bradley Lbr Co of Arkansas Warren Ark

BRAID-O-PADS steel wool: American Steel Wool Mfg Co 4224 Orchard St Long Island City 1 N Y

BRASCO METAL STORE FRONTS: Brasco Mfg Co Harvey Ill

BREICRAFT wood finisher: Breinig Bros Inc Hoboken N J

BRIC-ROLL siding: The Flintkote Co 220 E 42nd St New York 17 N Y

BRI-MAR paints, varnishes, enamels: Briggs Maroney Co Everett 49 Mass

BRIDGEPORT AMBERLITE chisels: Bridgeport Hardware Mfg Corp Bridgeport 5 Conn

BRILAC plastic-ized enamel: Breinig Bros Inc Hoboken N J

BRILLIANT COLORS tinting colors for paints: The Glidden Co Cleveland 2 O

BRILUMINUM paint: Breinig Bros Inc Hoboken N J

BRIXMENT masonry cement: Louisville Cement Co Inc Louisville 2 Ky

BRONZALUN stair treads, saddles: American Abrasive Metals Co Irvington 11 N J

BROOD-MOR battery brooder for chicks: Brower Mfg Co Quincy Ill

BROWNSKIN sheathing paper: Angier Sales Corp Framingham Mass

BRUCE floor cleaner, wax, finish: E L Bruce Co Memphis 1 Tenn

BUCKEYE manila rope: Hooven & Allison Co Xenia Ohio

BUCKEYE wire chain: Cleveland Chain & Mfg Co Cleveland 5 Ohio

BUFFCO doors: C-W Plywood Co 9 S Clinton St Chicago 6 Ill

BUG DUSTER, BUG GUN garden insecticides: Agkem Inc Quincy Ill

BULL DOG belt dressing: Norton Belting Co Wellesley Hills Mass

BULL DOG paint & varnish remover, brush cleaner: Gillespie Varnish Co Jersey City 6 N J

BULL'S HEAD leather belting: Chas A Schieren Co 30-38 Ferry St New York 7 N Y

BUNGALOW fence: Illinois Wire & Mfg Co Joliet Ill

BURKS pumps, water systems: Decatur Pump Co Decatur Ill

BUSS, FUSETRONS, FUSTATS fuses: Bussman Mfg Co St Louis 7 Mo

BUT-N-TITE steel roofing: St Paul Corugating Co St Paul 1 Minn

BUTCO end coating for timber: The Sullivan Co Memphis 2 Tenn

BUX-SKIN canvas preservative & water-proofing: The Sullivan Co Memphis 2 Tenn

BUZZ cross-cut saws: Henry Disston & Sons, Inc Philadelphia 35 Pa

CC-40 abrasion & chemical resistant coating: Wilbur & Williams Co Boston 16 Mass

CCC insecticides: Carbola Chemical Co Inc Natural Bridge N Y

C-M pullers: Columbus McKinnon Chain Corp Tonawanda N Y

C P colors: 20th Century Paint & Varnish Co 30 Roebling St Brooklyn 11 N Y

CABRANETTE kitchens: Murphy Door Bed Co 30 N La Salle St Chicago 2 Ill

CAMEL dry paste, wall size: Pyramid Process Co East Rochester N Y

CAMEL BACK vitrified clay wall coping: Robinson Clay Product Co Akron 8 Ohio

CAMINO QUALITY SUGAR PINE: Michigan-California Lbr Co Camino Cal

CANNON BALL barn, garage door hangers; up-and-over door equipment; door latches, stops, bumpers, guides; cremone & cane bolts; door pulls: Starline Inc Harvard Ill

CANT-ROL nail sets, center punches: Bridgeport Hardware Mfg Corp Bridgeport 5 Conn

CANVAS KID canvas, carpenter aprons, awnings, tarpaulins, preservative: Canvas Products Co St Louis 4 Mo

CARBOSOTA wood preservative: The Barrett Div Allied Chemical & Dye Corp 40 Rector St New York 6 N Y

CARR-DOR garage doors: Carr, Adams & Collier Co Dubuque Iowa

CARRARA structural glass: Pittsburgh Plate Glass Co Pittsburgh 19 Pa

CARVANITE hardware: Modern Plastic Co Los Angeles 11 Calif

CASCAMITE powdered glue: Casein Co of America 350 Madison Av New York 17 N Y

CASCO flexible cement, casein glue, wall size, urea-resin glue; **CASCOPHEN** resorcinol-resin glue, phenol laminating varnishes: Casein Co of America 350 Madison Av New York 17 N Y

CATERPILLAR Diesel tractors, engines, electric sets, motor graders, bulldozers, scrapers: Caterpillar Tractor Co Peoria 8 Ill

CAUSPLIT CEMENT synthetic resin cement: Pennsylvania Salt Mfg Co Philadelphia 7 Pa

CE-CO technical paints: Cheesman-Elliot Co 647 Kent Av Brooklyn 11 N Y

CELADRI waterproof paint, transparent waterproofing, Portland cement paint: Celadri Corp Williston Park N Y

CELLU-TONE paint, finish: Pratt & Lambert Inc Buffalo 7 N Y

CELLULITE cotton insulation: The Gilman Bros Co Gilman Conn

CELLUMENT urea-resin: Monite Waterproof Glue Co Minneapolis 11 Minn

CEMCOAT cement & stucco paint: L Sonneborn Sons Inc 88 Lexington Av New York 16 N Y

CEMCURE concrete curing compound: L Sonneborn Sons Inc 88 Lexington Av New York 16 N Y

CEMENTICO cement masonry paint: U S Gypsum Co 300 W Adams St Chicago 6 Ill

CEMENTSPAR label adhesive: Phelan-Faust Paint Mfg Co St Louis 11 Mo

CEMSET lubricator & accelerator for concrete: Sullivan Co Memphis 2 Tenn

CENTURY flooring: The M B Farrin Lbr Co Cincinnati Ohio

CERFEX spachtling compound: United Gilsonite Laboratories Scranton 1 Pa

CERTAIN-TEED shingles, siding, roofing, bldg papers, plasters, gypsum boards etc: Certain-teed Products Corp 120 S LaSalle St Chicago 3 Ill

CERTIGRADE red cedar shingles: Red Cedar Shingle Bureau Seattle 1 Wash

CERTROCK gypsum plaster: Certain-teed Products Corp 120 S LaSalle St Chicago 3 Ill

CHALLENGE venetian blinds: Clifton Mfg Co Waco Texas

CHALLENGER hose: Republic Rubber Div Lee Rubber & Tire Corp Youngstowns 1 Ohio

CHAMPA fire brick: Denver Fire Clay Co Denver 17 Colo

CHAMPION hose: Republic Rubber Div Lee Rubber & Tire Corp Youngstown 1 Ohio

CHAMPION mandrels, grinding wheel dressers, steel racks, molders' benches: Western Tool & Mfg Co Springfield Ohio

CHANCELLOR handles: Marion Handle Mills Inc Marion Va
CHASE brass, bronze, copper products: Chase Brass & Copper Co Waterbury 91 Conn
CHASE sawmills: Chase Turbine Mfg Co Orange Mass
CHECKMATE wood check preventive: Wilbur & Williams Co Boston 16 Mass
CHEMIC ENAMEL (Barreled Sunlight) enamels: U S Gutta Percha Paint Co Dept 19 Dudley & Eddy Sts Providence 1 R I
CHENEY hammers: John H Graham & Co 105 Duane New York 8 N Y
CHESTERMAN measuring tapes: John H Graham & Co 105 Duane New York 8 N Y
CHEX wall sealer: The Reardon Co St Louis 6 Mo
CHICAGO door springs, spring hinges: Chicago Spring Hinge Co 1500 Carroll Av Chicago 7 Ill
CHICO BRIKSET high temperature cement: Chicago Fire Brick Co 1461 N Elston Av Chicago 22 Ill
CHIEF garbage receptacles etc: Northwest Metal Products Inc Seattle 4 Wash
CHIEF shut-off hose nozzles: Elkhart Brass Mfg Co Elkhart Ind
CHIMNEY SWEEP soot destroyer: G N Coughlan Co West Orange N J
CHINALINE (Barreled Sunlight) enamel: U S Gutta Percha Paint Co Dept 19 Dudley & Eddy Sts Providence 1 R I
CHROMEDGE floor & wall trims: The B & T Metals Co Columbus 16 Ohio
CHROMOL hack saws: Henry Disston & Sons Inc Tacony Philadelphia 35 Pa
CHROMTRIM metal mouldings: R D Werner Co 295 Fifth Av New York 16 N Y
CHRYSLER AIRTEMP: Airtemp Div Chrysler Corp Dayton 1 Ohio
CHUM paint liquid: 20th Century Paint & Varnish Co 30 Roebling Brooklyn 11 N Y
CID water systems: Goulds Pumps Inc Seneca Falls N Y
CINKOTE emulsified paint; Blue Ridge Talc Co Henry Va
CLARAGE fans & air washers: Clarage Fan Co Kalamazoo 16 Mich
CLARCO unit heaters: Clarage Fan Co Kalamazoo 16 Mich
CLEARTOX wood preservative: Asbesto Mfg Co Michigan City Ind
CLERSEAL waterproofing: Adensite Co 37-19 23rd St Long Island City N Y
CLETRAC crawler tractors: The Oliver Corp Industrial Div Cleveland 17 O
CLEVELAND ladder jack: Sabin Machine Co Cleveland 3 Ohio
CLIMAX & DESIGN gypsum plaster: Certain-teed Products Corp 120 S La Salle St Chicago 3 Ill
CLINCHER wood & felt weatherstrip: W J Dennis & Co 1732 N Kolmar Av Chicago 39 Ill
CLINGCOTE enamel: Boston Varnish Co Boston 49 Mass
CLINTON BRAND hardware cloth: American Wire Fabrics Corp A Div of The Colorado Fuel & Iron Corp 500 Fifth Av New York 18 N Y
CLIPPER BRAND coated abrasives, sanding machine discs, sandpaper: Sandpaper Inc Waltham 54 Mass
CLIPPER STRIPPER concrete block machine: Stearns Mfg Co Adrian Mich
CLOS-TITE CASEMENTS: Carr, Adams & Collier Co Dubuque Iowa
COAL KING axes: Fayette R Plumb Inc Philadelphia 37 Pa
COATASTONE floor varnish: R. F. Johnston Paint Co Cincinnati 12 Ohio
COBURN sliding door hardware: Wickwire Spencer A Div of The Colorado Fuel & Iron Corp 500 Fifth Av New York 18 N Y
COLDFOAM soapless soap powder: The Savogram Co Boston 10 Mass
COLD PROCESS roofing: The Flintkote Co 220 E 42nd St New York 17 N Y
COLLOPAKES colloidall paints for wood & metal: Samuel Cabot Inc Boston 9 Mass
COLOMADE paint: Colorado Paint Co Denver 5 Colo
COLONIAL asbestos-cement siding: The Ruberoid Co 500 Fifth Av New York 18 N Y
COLONIAL sundials, fireplace equipment: Colonial Brass Co Middleboro Mass
COLONIAL THATCH asphalt shingles: Ford Roofing Products Co 111 W Washington St Chicago 2 Ill
COLOR-STRIPE coated abrasive paper & cloth: Clover Mfg Co Norwalk Conn
COLT'S clamps: Batavia Clamp Co Inc Batavia N Y
COLUMBIA screen door hinges: Cleveland Lock Works Div of Consolidated Iron-Steel Mfg Co Cleveland 14 Ohio
COLUMBIA 3-C BRAND calcium chloride: Columbia Chemical Div Pittsburgh Plate Glass Co Pittsburgh 13 Pa
COLUMBIA window shades, venetian blinds: Columbia Mills Inc 225 5th Av New York N Y
COLUMBIA-QUALITY bathroom accessories, mailboxes, mirrors: Columbia Metal Box Co 260 E 143rd St New York 51 N Y
COMET coated abrasives: Clover Mfg Co Norwalk Conn
COMET electric hoists: Columbus McKinnon Chain Corp Tonawanda N Y
COMET remover, spackling compound, casein paint: Reliable Paste Co 3560 Shields Av Chicago 9 Ill
COMET radial power saw: Consolidated Machinery & Supply Co Ltd Los Angeles 21 Cal
COMFY-GRIP hand drivers for "Frearson" cross recessed screws: Rockford Screw Products Co Rockford Ill
COMMANDER 4-wheel platform trucks: The Fairbanks Co 393 Lafayette St New York 3 N Y
COMPREGNITE phenol wood-impregnating solution: Casein Co of America 350 Madison Av New York 17 N Y
COMPTOMETER adding-calculating machines: Felt & Tarrant Mfg Co 1720 N Paulina St Chicago 22 Ill
CON-CLEAN concrete floor cleaner; Puritan Chemical Co Atlanta 3 Ga
CONCORD leather belting: Page Belting Co Concord New Hampshire
CONDOR hose, belts: Raybestos-Manhattan Inc Manhattan Rubber Div Passaic N J
CONQUEROR swages: Henry Disston & Sons Inc Tacony Philadelphia 35 Pa
CONSERVO creosote wood preservative: Samuel Cabot Inc Boston 9 Mass
CONTINENTAL FLAME-SEALED farm fence: Continental Steel Corp Kokomo Ind
COP-R-TEX copper insulation: Wasco Flashing Co Cambridge Mass
COPALITE (Barreled Sunlight) varnish: U S Gutta Percha Paint Co Dept 19 Dudley & Eddy Sts Providence 1 R I
COPPER CLIPT asphalt shingle: Bird & Son Inc East Walpole Mass
COPPERSKIN for dampproofing & flashing; Angier Sales Corp Framingham Mass
COPPERWELD fencing, nails, wire: Copperweld Steel Co Glassport Pa
COPPES-NAPANEE CUSTOMBUILT KITCHENS hdwd kitchen cabinets: Coppes Inc Nappanee Ind
CORPORAL roll roofing: Certain-teed Products Corp 120 S La Salle St Chicago 3 Ill
CORTLAND BRAND wire nails & brads: Wickwire Bros Inc Cortland N Y
COSMOTEX glass substitute: Allen Bros Inc Omaha Neb
COVER THE EARTH paint: The Sherwin-Williams Co Cleveland 1 Ohio
CRAFCOITE claw hammers, hatchets, axes: Marion Tool Corp Marion Ind
CRAFTWAY wallpaper tool kit: American Brush Corp 1113 N Franklin St Chicago 10 Ill
CRANE gas water heaters: Bastian-Morley Co Inc La Porte Ind
CRASCO silo: Craine Inc Norwich N Y
CRE-O-TOX wood preservatives & sealers, termite chemicals: Cre-O-Tox Chemical Products Co Memphis 12 Tenn
CREAM OF LIME finishing lime, lime plaster: Kelley Island Lime & Transport Co Cleveland 14 Ohio
CREO-DIPT red cedar shingles, double wall zephyrs, shingle stains: Creo-Dipt Co Inc North Tonawanda N Y
CREONOID insecticide: The Barrett Div Allied Chemical & Dye Corp 40 Rector St New York 6 N Y
CRESCENT wire rope: American Cable Div American Chain & Cable Co Inc Wilkes-Barre Pa
CRESCENT wrenches, pliers, screwdrivers, hacksaws etc: Crescent Tool Co Jamestown N Y
CRESOLAC waterproofing: Ceresit Waterproofing Corp 512 S Canal St Chicago 7 Ill
CREVISEAL caulking compound: Pioneer Mfg Co Cleveland 4 Ohio
CRITTALL windows, steel casement: Crittall-Federal Inc Waukesha Wis
CROWN leather belting, belting cement: Page Belting Co Concord N H
CROWN bonding mortar: Robinson Clay Product Co Akron 8 Ohio
CROWN masons hydrated lime: Marblehead Lime Co 160 N La Salle St Chicago 1 Ill
CRUISER roll roofing: Globe Roofing Products Co Whiting Ind
CRYSTAL asphalt paint: The Barrett Div Allied Chemical & Dye Corp 40 Rector St New York 6 N Y
CRYTOLON abrasive, grinding wheels, refractories, pulpstones: Norton Co Worcester 6 Mass
CUPRINOL preservative for wood, rope etc: Cuprinol Inc Boston 9 Mass
CURLED-CHIP saws: E. C. Atkins & Co Indianapolis 9 Ind
CYCLONE hoists: Columbus McKinnon Chain Corp Tonawanda N Y
CYCLONE RED TAG lawn fence & gates, wire screen & hardware cloth, wire mesh partitions, metal conveyor belts, window guards: Cyclone Fence Div American Steel & Wire Co Waukegan 1 Ill
CYCLONE SAFETY SHINGLE asphalt shingle: Ford Roofing Products Co 111 W Washington St Chicago 2 Ill
DDTREAT insecticides: Wood Treating Chemicals Co St Louis 10 Mo
DFC refractories: Denver Fire Clay Co Denver 17 Colo
DAD & LAD roof cement, asphalt roof coating, glazing compound: The Dad & Lad Co New Lenox Ill
DAISY latches: Wagner Mfg Co Cedar Falls Iowa
DAMP-TEX enamel, undercoater, sealer, primer, zinc dust, reducer: Steelcote Mfg Co St Louis 3 Mo
DAMPCOAT enamel: Wilbur & Williams Co Boston 16 Mass
DANDY latches: Wagner Mfg Co Cedar Falls Iowa
DAYTON V-belts, tires: Dayton Rubber Mfg Co Dayton 1 Ohio
DECORATIVE ARMORPLY wood veneer on metal: United States Plywood Corp 55 W 44th St New York 18 N Y
DEFENDER barbed wire: Keystone Steel & Wire Co Peoria 7 Ill
DEFLECT-O-LITE aluminum paints: The Sullivan Co Memphis 2 Tenn
DEHYDRAY: Devoe & Raynolds Co Inc 787 First Av New York 17 N Y
DELTA MILWAUKEE woodworking machines, saws, jointers, lathes, disc & belt sanders etc: Delta Mfg Co Milwaukee 1 Wis
DELUXE cabinet hardware: American Cabinet Hardware Corp Rockford Ill
DELUXE plastic-finished wall panels: Marsh Wall Products Inc Dover Ohio
DENNING portable corn cribs, silos, grain bins: Illinois Wire & Mfg Co Joliet Ill
DEOXIDINE rust remover, metal cleaner: American Chemical Paint Co Ambler Pa
DEPENDON AERATORS ventilators: Republic Metals & Roofing Materials Inc 4040 W Lake St Chicago 24 Ill
DeVILBISS spray painting systems, air compressors, hose & connections, exhaust systems: The De Vilbiss Co Toledo 1 Ohio
DEVOPAKE: Devoe & Raynolds Co Inc 787 First Av New York 17 N Y
DeWALT saws: DeWalt Products Corp Lancaster Pa
DIAMOND paints, enamels: Thompson & Co Oakmont Pa
DIAMOND BRAND chimney tops, fire clay, flue lining, mortar mix, clay sewer pipe, septic clay tanks, clay drain tile, wall coping: Lehigh Sewer Pipe & Tile Co Fort Dodge Iowa
DIAMOND HARD flooring: J W Wells Lumber Co Menominee Mich
DIAMOND POINT roofing: The Flintkote Co 220 E 42nd St New York 17 N Y
DI-MOL hack saws: Henry Disston & Sons Inc Tacony Philadelphia 35 Pa
DIESELECTRIC Diesel powered light plant: Witte Engine Works Div of Oil Well Supply Co Kansas City 3 Mo
DISSTEEL planer knives: Henry Disston & Sons Inc Tacony Philadelphia 35 Pa
DISSTON saws, files etc: Henry Disston & Sons Inc Tacony Philadelphia 35 Pa
DIXIE leather belting: Chas A Schieren Co 30-38 Ferry St New York 7 N Y
DIXIEBRAND paints: Blue Ridge Talc Co Inc Henry Va
DIXIE BRAND OAK FLOORING: W R Wrape Stave Co Inc Little Rock Ark
DIXIE PRIDE axes: Fayette R Plumb Inc Philadelphia 37 Pa
DO-ALL combination electric hammer & drill: Wodack Electric Tool Corp 4627 W Huron St Chicago 44 Ill
DOPLEX plastic glazing: The Dobeckmun Co Cleveland 1 Ohio
DORSEY logging trailers: Dorsey Trailers Elba Ala
DOUBLE-KRAFT bldg paper: The Ruberoid Co 500 5th Av New York 18 N Y
DOUBLEQUICK enamels, paint, varnishes: Jewel Paint & Varnish Co 345 N Western Av Chicago 12 Ill
DOUBLEWEAR asbestos cement: Interstate Chemical Mfg Co Reading Pa
DOWICIDE preservative chemicals: The Dow Chemical Co Midland Mich

DOX brush cleaner: Reliable Paste Co 3560 Shields Av Chicago 9 Ill
DRAFT SEAL weather strip, caulking compound: W J Dennis & Co 1732 N Kolmar Av Chicago 39 Ill
DRAIN KLEEN chemical pipe cleaner: Saginaw Salt Products Co Saginaw 35 Mich
DREADNAUGHT axes: Fayette R Plumb Inc Philadelphia 37 Pa
DREADNAUGHT floor sanders: Clarke Sanding Machine Co Muskegon Mich Inc Cincinnati 12 Ohio
DRI-FAST enamel: The Foy Paint Co
DRIWAL waterproofing & stainproofing compound: The Glidden Co Cleveland Ohio
DUCO enamels, lacquers: E I DuPont de Nemours & Co Inc Wilmington 98 Del
DU-LITE enamels: E I DuPont de Nemours & Co Inc Wilmington 98 Del
DULL-KOTE enamel & undercoat: R F Johnston Paint Co Cincinnati 12 O
DULTONE shingle stains, varnish: R F Johnston Paint Co Cincinnati 12 O
DULUX enamels, paints: E I DuPont de Nemours & Co Inc Wilmington 98 Del
DUMP IT hoists: St Paul Hydraulic Hoist Co Minneapolis 14 Minn
DUO-FAST tackers, staples: Fastener Corp 860 Fletcher St Chicago 14 Ill
DUO-VAR varnish: Breinig Bros Inc Hoboken N J
DUPLEX adjustable balances: Duplex Inc Los Angeles 46 Cal
DURA-SEAL metal weatherstripped & sash balanced window equipment: Zegers Inc 5615 Harper Av Chicago 37 Ill
DURAGLOSS finish: Seidlitz Paint & Varnish Co Kansas City 10 Mo
DUREX spring floor hinges: Chicago Spring Hinge Co 1500 Carroll Av Chicago 7 Ill
DURITE resin adhesives, cements, glues: Durite Plastics Inc Philadelphia 24 Pa
DURMO "The Finish Eternal": Seidlitz Paint & Varnish Co Kansas City 10 Mo
DURMOLIZED paint, enamel: Seidlitz Paint & Varnish Co Kansas City 10 Mo
DURO steel basement window: Kewanee Mfg Co Kewanee Ill
DUROBAR electric fly screens: National Electric Screen Corp 549 W Washington Blvd Chicago 6 Ill
DUSTOX insecticide: Agkem Inc Quincy Ill
DUSTUBE dust collector: American Foundry Equipment Co Mishawaka Ind
DUTCH BOY paint, wall primer, paint products, white & red lead, flatting oil, linseed oil, linseed replacement oil, solders: National Lead Co 111 Broadway New York 6 N Y
DUTCH BRAND rubber & waterproofing cement, friction tape, weatherstrip: Van Cleef Bros 7800 S Woodlawn Chicago 19 Ill
DUTCH LAP shingles: The Flintkote Co 220 E 42nd St New York 17 N Y
DUX BAK leather belting, belt cement: Commercial Paste Co Columbus 8 O
DUX BAK waterproof linoleum cement: Chas A Schieren Co 30-38 Ferry St New York 7 N Y
DYE-CRETE concrete floor color hardener & enamel: Wilbur & Williams Co Boston 16 Mass
E-Z-GLAZE puttyless utility sash: Farley & Loetscher Mfg Co Dubuque Iowa
E-Z LIFT garage door: Butler Products Co 1013 W Washington Blvd Chicago 7 Ill; also Wilson Foundry & Machine Co Pontiac Mich
E-Z PATCH liquid admixture for Portland cement, stucco, concrete: The Sullivan Co Memphis 2 Tenn
E-Z WORKING finishing hydrated lime: Marblehead Lime Co 160 N La Salle St Chicago 1 Ill
EAGLE fuses, portable electric heaters, soldering irons, wire staples: Eagle Electric Mfg Co 23-10 Bridge Plaza S Long Island City 1 N Y
EAGLE clothesline: Samson Cordage Works Boston 10 Mass
EAGLE lead pencils, crayons etc: Eagle Pencil Co 703 E 13th St New York 9 N Y
EAGLE leather belting: Chas A Schieren & Co 30-38 Ferry St New York 7 N Y
EAGLE thumb tacks: Turner & Seymour Mfg Co Torrington Conn
EAGLE BRAND rivets, washers: Plume & Atwood Mfg Co Waterbury 88 Conn
EASI-BILD full size patterns, method of construction: Easi-Bild Pattern Co Pleasantville N Y
EASY home workship equipment, saw guards, saw repairs & adjustments: Equipment Engineering Co Kansas City 2 Mo
EASY-SLIP eaves trough: La Crosse Steel Roofing & Currugating Co La Crosse Wis
EASY-VEYOR gravity-roller, gravity wheel: Equipment Engineering Co Kansas City 2 Mo
EBONOID dry kiln paint: Grand Rapids Vapor Kiln Inc Grand Rapids 2 Mich
ECONO-PINE floor cleaner: Puritan Chemical Co Atlanta 3 Ga
ECONOMY grain bins: Illinois Wire & Mfg Co Joliet Ill
ECONOMY silos, stock & storage tanks: Economy Silo & Mfg Co Frederick Md
ECONOMY bldg paper: Bird & Son Inc East Walpole Mass
EDDYSTONE sash cord: Silver Lake Co 99 Chauncy St Boston 11 Mass
EDGWOOD red cedar shingles: McCarter Shingle Co Ltd Victoria B C
EFFECTO exterior enamel: Pratt & Lambert Inc Buffalo 7 N Y
ELASTIGUM bituminous cement & roof coating: The Barrett Div Allied Chemical & Dye Corp 40 Rector St New York 6 N Y
ELECTRIC wallpaper cleaner: Cleveland Cleaner & Paste Co Cleveland 2 Ohio
ELECTRIC FURNACE stiff-mud, dry-press fire brick: Chicago Fire Brick Co 1461 N Elston Av Chicago 22 Ill
ELECTRITE electric fence controllers: Coburn Mfg Co Whitewater Wis; also Electrite Fence Co Whitewater Wis
ELECTRO LIFT electric hoists: Electro Lift Inc 32 Church St New York 7 N Y
ELECTROLON grinding wheels: Simonds Abrasive Co Philadelphia 37 Pa
ELECTROVENT kitchen ventilator: Wayne Mfg Co Detroit 10 Mich
ELGIN steel kitchens & sinks, packaged kitchens: Elgin Stove & Oven Div of Acme Visible Records Inc Elgin Ill
ELKHART extinguishers, fire hose cabinets, hose racks: Elkhart Brass Mfg Co Inc Elkhart Ind
ELKHIDE leather belting: Webb Belting Co Kansas City 7 Mo
ELRICO BRAND Appalachian hardwoods: Elk River Coal & Lbr Co Swandale W Va
ELSCO air compressors, electric motors: Electric Sprayit Co Sheboygan Wis
EMBOSSED BRICK STRIP siding: The Flintkote Co 220 E 42nd St New York 17 N Y
EMPIRE bolts, nuts: Russell Burdsall & Ward Bolt & Nut Co Port Chester N Y
ENAMELIZED house paint: Foy Paint Co Inc Cincinnati 12 Ohio
END-LOKT wood door frames, lumber, mouldings: Exchange Sawmills Sales Co Kansas City 6 Mo
ENDURANCE paint, primer, wood stains: The Glidden Co Cleveland 2 O
ENTERPRISE sawmill machinery: The Enterprise Co Columbiana Ohio
EQUIPTO store display fixtures: Aurora Equipment Co Aurora Ill
ERCO builders' hardware: Erco Mfg Co 4010 W Montrose Ave Chicago 41 Ill
ERES lumber & allied products:Ernst Seidelmann Lbr Div Woolworth Bldg New York 7 N Y
ESSCO wood door frames, lumber, mouldings: Exchange Sawmills Sales Co Kansas City 6 Mo
ESTATE HEATROLA gas & electric ranges, coal & oil heaters: The Estate Stove Co Hamilton Ohio
EUSTON white lead: The Glidden Co Cleveland 2 Ohio
EVANS glue, rubber cement: Commercial Paste Co Columbus 8 Ohio
EVER-FLEX weatherstrip: W. J. Dennis & Co 1732 N Kolmar Av Chicago 39 Ill
EVERJET bituminous paint: The Barrett Div Allied Chemical & Dye Corp 40 Rector St New York 6 N Y
EVERLAST paints, enamels: 20th Century Paint & Varnish Co 30 Roebling St Brooklyn 11 N Y
EVERLASTIC roll roofing: The Barrett Div Allied Chemical & Dye Corp 40 Rector St New York 6 N Y
EVERTITE track: Wagner Mfg Co Cedar Falls Iowa
EXCELLO varnish: R F Johnston Paint Co Cincinnati 12 Ohio
EXPANSION corner bead: Milcor Steel Co Milwaukee 4 Wis
EXPANSLIP fireplace dampers: Bennett-Ireland Norwich N Y
EXPEDITE paint & varnish remover: Pratt & Lambert Inc Buffalo 7 N Y
EXT-DFPA (Reg. U S Pat Off) exterior Douglas fir plywood: Douglas Fir Plywood Assn Tacoma 2 Wash
EXTENSOLITE portable fluorescent work light: Edwin F Guth Co St Louis 3 Mo
EYE-COMFORT lighting equipment: Curtis Lighting Inc 6135 W 65th St Chicago 38 Ill
EZE LATCH screen & storm door latch: Newell Mfg Co Lowell Mich
EZE-WAY floor wax: Pioneer Mfg Co Cleveland 4 Ohio
EZLAY BRAND red cedar shingles: Acme Shingle Co Ltd Vancouver B C
F & L HORIZONTAL SLIDING WINDOWS: Farley & Loetscher Mfg Co Dubuque Iowa
F & L DELUXE kitchen units: Farley & Loetscher Mfg Co Dubuque Iowa
F & M pipe & cabinet hangers, concrete inserts: Fee & Mason Mfg Co Inc 81 Beekman St New York 7 N Y
FRC silica brick: Robinson Clay Product Co Akron 8 Ohio
FWD trucks: Four Wheel Drive Auto Co Clintonville Wis
FABCO sash balances & locks: W H Fabry Mfg Co Inc Alhambra Calif
FABRICOTE canvas & duck coating: The Glidden Co Cleveland 2 Ohio
FACTORY-BILT prefabricated garages & buildings: The Strathmoor Co Detroit 27 Mich
FACTRI-FIT doors: Fir Door Institute Tacoma 2 Wash
FAIRBANKS platform trucks: The Fairbanks Co 393 Lafayette St New York 3 N Y
FARLITE laminated plastics: Farley & Loetscher Mfg Co Dubuque Iowa
FARLO-UNIQUE window frames: Farley & Loetscher Mfg Co Dubuque Iowa
FARLO VENT ventilating sash & frame units: Farley & Loetscher Mfg Co Dubuque Iowa
FARMALL tractors: International Harvester Co 180 N Michigan Av Chicago 1 Ill
FAULTLESS venetian blinds: Clifton Mfg Co Waco Texas
FAVORITE WYTEFACE steel tapes: Keuffel & Esser Co Hoboken N J
FEDERAL steel windows: Crittall-Federal Inc Waukesha Wis
FEDERALITE varnish, wood stains, floor finishes: Federal Varnish Co 337 S Peoria St Chicago 7 Ill
FENESTRA clips, metal door frames, steel doors, metal sash putty, steel windows, metal frame screens: Detroit Steel Products Co Detroit 11 Mich
FENTONE resin emulsion paste: U S Kalsomine Co 50 Church St New York 7 N Y
FERA-FLOW floor paint: American Abrasive Metals Co Irvington 11 N J
FERALUN abrasive stair treads, saddles: American Abrasive Metals Co Irvington 11 N J
FERRAPLY concrete floor hardener: Fort Pitt Chemical Co Pittsburgh 22 Pa
FERRO-THERM steel insulation: American Flange & Mfg Co 30 Rockefeller Plaza New York 20 N Y
FERROKOTE metallic waterproofing: Fort Pitt Chemical Co Pittsburgh 22 Pa
FERROLITE grinding wheels: E C Atkins & Co Indianapolis 9 Ind
FERROLITH W damproofing: L. Sonneborn & Sons Inc 88 Lexington Av New York 16 N Y
FERROX plastic floor covering: American Abrasive Metals Co Irvington 11 N J
FERROMETAL steel doors: Milwaukee Stamping Co Milwaukee 14 Wis
FIBERGLAS insulation: Owens-Corning Fiberglass Corp Toledo 1 Ohio
FIRE CHIEF BRICK SOOT DESTOYER fuel saver: The Knack Co Ithaca N Y
FIREDAIRE fireplace, stove & fireplace combination: The Edwards Mfg Co Inc Cincinnati 2 Ohio
FIR-TEX acoustical material, insulation, insulating lath, fibre insulating plank, board tile & wallboard: Fir-Tex Portland 4 Ore
FIREX fire retardant paint: The Reardon Co St Louis Mo
FIRMOKE BRAND belting: Victor R Clark Belting Co 605 W Washington Blvd Chicago 6 Ill
FIRZITE plywood sealer: United States Plywood Corp 55 W 44th St New York 18 N Y
FISH & HOOK saws: Sandvik Saw & Tool Corp 47 Warren St New York 7 N Y
FISSURSEAL grouting compounds: The Sullivan Co Memphis 2 Tenn
FITS-ALL screen door grilles: Macklanburg-Duncan Co Oklahoma City 1 Okla
FIT SNUG asphalt shingle: Ford Roofing Products Co 111 W Washington St Chicago 2 Ill
FLAMEBUSTER fire hose nozzle: Grinnell Co Inc Providence R I

FLAME-SEALED (Reg. U S Pat Off) farm fence: Continental Steel Corp Kokomo Ind
FLAME-THROWER weed burner, disinfecting torch: Brower Mfg Co Quincy Ill
FLAMINGO masonry mortar: Riverton Lime & Stone Co Riverton Va
FLATSHEEN: Devoe & Raynolds Co Inc 787 First Av New York 17 N Y
FLEX V V-belt fasteners: Flexible Steel Lacing Co 4607 Lexington St Chicago 44 Ill
FLEXBOARD asbestos-cement bldg board: Johns-Manville Corp 22 E 40th St New York 16 N Y
FLEXCO HD belt fasteners, rip plates, tools: Flexible Steel Lacing Co 4607 Lexington St Chicago 44 Ill
FLEXI-BILT shelving: Berger Mfg Div Republic Steel Corp Canton 5 Ohio
FLEXIBLE FLOOR varnish: R. F. Johnston Paint Co Cincinnati 12 Ohio
FLEXICO enamel: O'Brien Varnish Co South Bend 21 Ind
FLEX-O-GLASS window material: Flex-O-Glass Mfg Co 1104 N Cicero Av Chicago Ill
FLEXSCREEN fireplace curtain screens: Bennett-Ireland Norwich N Y
FLEXTAN leather belting: Chicago Belting Co 121 N Green Chicago Ill
FLINTKOTE roofing, shingles, siding: The Flintkote Co 220 E 42nd St New York 17 N Y
FLO-WARM winter air conditioning systems: Williamson Heater Co Cincinnati 9 Ohio
FLOOR-HARD-NOR hardening, dust-, oil,- acid-proofing compound: American Fluresit Co Cincinnati 29 Ohio
FLOOR-ROLLER portable fluorescent work light: Edwin F Guth Co St Louis 3 Mo
FLOOR SECURITY floor finish: R F Johnston Paint Co Cincinnati 12 Ohio
FLOOR-VEYOR belt conveyor: Rapids-Standard Co Grand Rapids 2 Mich
FLOORETTE floor varnish: The Glidden Co Cleveland 2 Ohio
FLOORLIFE No. 69 wood floor sealer: L. Sonneborn Sons Inc 88 Lexington Av New York 16 N Y
FLOORMASTER floor trucks: Lewis-Shepard Products Inc Boston 72 Mass
FLOORMASTER scrubbing, polishing, waxing, buffing, rug & carpet cleaning machines: Atlas Floor Surfacing Machinery Corp 248 E 34th St New York 16 N Y
FLOR-LEVL-POST adjustable floor supports: Industrial & Home Products Inc Akron Ohio
FLORENAMEL enamel: The Glidden Co Cleveland 2 Ohio
FLORHIDE enamel: Pittsburgh Plate Glass Co Pittsburgh 19 Pa
FLUR-DRY sealant, primer for concrete floors; **FLURESEAL** waterproofing compound; **FLURESIT INTEGRAL WATERPROOFING** for concrete, mortar, stucco & floor finishes; **FLURETEX** waterproofed Portland cement paint for stucco, brick, concrete walls; **FLUROSTONE** hardening, dust-proofing compound for cement floors: American Fluresit Co Cincinnati 29 Ohio
FLY-MIST cattle spray, insecticide for livestock: Agkem, Inc Quincy Ill
FLYDED insecticides, sprayers: Boyle-Midway Inc Jersey City 2 N J
FOAMGLAS insulating material: Pittsburgh Corning Corp Pittsburgh 22 Pa
FOAMITE fire extinguishers, generators, chemical powder, fire shield; American-LaFrance-Foamite Corp Elmira N Y
FOLDAWAY ironing tables, step stools: Zoss Ladder & Mfg Co Portland 1 Ore
FORD chain hoists: Ford Chain Block Div American Chain & Cable Co Philadelphia 25 Pa
FORD FACTORY-BUILT (Reg. U. S. Pat Off) **HOMES:** Factory Built Homes Inc McDonough N Y
FORD-V-NEER insulated siding: Ford Roofing Products Co 111 W Washington St Chicago 2 Ill
FORM-A COTE paint: Forman Ford & Co Minneapolis 1 Minn
FORMANITE paints, enamels, varnishes, industrial finishes, mirrors: Forman Ford & Co Minneapolis 1 Minn
FORM FLOW business & industry registers & forms: The Standard Register Co Dayton 1 Ohio
FORSHARP HANCHETT saw swages: Hanchett Mfg Co Big Rapids Mich
FORT PITT roof coating; paste, liquid, transparent waterproofing: Fort Pitt Chemical Co Pittsburgh 22 Pa
FOYTIME thinner: Foy Paint Co Cincinnati 12 Ohio
FRANKLIN wood & coal furnaces: Portland Stove Foundry Co Portland 2 Maine
FRANKLIN lumber piler: Phil Franklin Leavenworth Wash
FRANTZ door hangers & track: Frantz Mfg Co Sterling Ill
FRESH-AIRE fireplace units: Bennett-Ireland Norwich N Y
FROST plywood doors, hardwood plywood & veneer: Frost Veneer & Plywood Co Sheboygan Wis
FULTEX tarpaulins, canvas items, twine etc: Fulton Bag & Cotton Mills Atlanta Ga
FU-SE-LITE portable fluorescent work light: Edwin F Guth Co St Louis 3 Mo
FUNGISEALS water-repellent sealers for wood, wood preservative: Monsanto Chemical Co St Louis 4 Mo
FUNGUS-BAN fungus inhibitive additive for paints: Wilbur & Williams Co Boston 16 Mass
FURNAS CRETE castable refractory: Mexico Refractories Co Mexico Mo
G K JOINT compound: Robinson Clay Product Co Akron 8 Ohio
GAL-VA-NITE asphalt roofing: Ford Roofing Products Co 111 W Washington St Chicago 2 Ill
GARDEX acidproof paint: Sullivan Co Memphis 2 Tenn
GEM door hangers: Grant Pulley & Hardware Co 33-36 57th St Woodside N Y
GEM door springs: Cleveland Lock Works Div of Consolidated Iron-Steel Mfg Co Cleveland 14 Ohio
GEM wheat paste: Pyramid Process Co East Rochester N Y
GERLINGER lumber carriers, lift trucks: Dallas Machine & Locomotive Works Dallas Ore
GIANT LYCONS chemical pipe cleaner: B T Babbitt Inc 386 4th Av New York 16 N Y
GIANT VALUE screen paint: Devoe & Raynolds Co Inc 787 First Av New York 17 N Y
GILBARCO oil burners, air compressors: Gilbert & Barker Mfg Co West Springfield Mass
GILT EDGE leather belting: J. E. Rhoads & Son Philadelphia 6 Pa
GLASS-O-NET window material: Flex-O-Glass Mfg Co 1104 N Cicero Av Chicago Ill
GLASTONE loadbearing lightweight concrete block faced with structural glass: Libbey-Owens-Ford Glass Co Toledo 3 Ohio
GLATEX asbestos cement siding: United States Gypsum Co 300 W Adams St Chicago 6 Ill
GLAZA-WOOD glazing compound for wood sash: Plastic Products Co Detroit 11 Mich
GLAZ-FABRIK window material: Sol-O-Lite Mfg Co 4301 W North Av Chicago 30 Ill
GLEEM paints, cement, brushes, preservative, putty, resin, stain etc.: Baltimore Paint & Color Works Baltimore 23 Md
GLI-DOR kitchen cabinets: Carr, Adams & Collier Co Dubuque Iowa
GLIDE door hangers & track: Frantz Mfg Co Sterling Ill
GLIDEOVER overhead doors: Wagner Mfg Co Cedar Falls Iowa
GLO-NAMEL floor & deck enamel: Globe Paint Works Inc Williamsport 5 Pa
GLOBEROID rubber base paint: Globe Paint Works Inc Williamsport 5 Pa
GLOBITE mill gloss: Globe Paint Works Inc Williamsport 5 Pa
GOLD BOND acoustical material, asbestos cement boards, corner bead, insulation, lath, lime, plaster, fiber insulating & gypsum plank, quicklime sheathing, tile, wall ties, wallboard: National Gypsum Co Buffalo 2 N Y
GOLD MEDAL files: Henry Disston & Sons Inc Tacony Philadelphia 35 Pa
GOLD MEDAL ladders, scaffolding: Patent Scaffolding Co 1550 N Dayton St Chicago 22 Ill
GOLD STRAND INSECT SCREENING screen cloth: American Wire Fabrics Corp a Div of the Colorado Fuel & Iron Corp 500 Fifth Av New York 18 N Y
GOLD TIP glass cutters: Fletcher Terry Co Forestville Conn
GOLDEX insulating & acoustical cement: The Sullivan Co Memphis 2 Tenn
GOLDSTRIPE paint brushes: Pittsburgh Plate Glass Co Pittsburgh 19 Pa
GRAKO belt dressing: Graton & Knight Co Worcester 4 Mass
GRAND CANYON limes: Mission Lime Products Corp Los Angeles 12 Calif
GRANOLITH (Barreled Sunlight): U S Gutta Percha Paint Co Dept 19 Dudley & Eddy Sts Providence 1 R I
GREAT AMERICAN saws: Henry Disston & Sons Inc Tacony Philadelphia 35 Pa
GREAT DANE BRAND leather belting: Victor R Clark Belting Co 605 W Washington Blvd Chicago 6 Ill
GREAT WESTERN molding plaster: Certain-teed Products Corp 120 S La Salle St Chicago 3 Ill
GREEN-STRIPE sandpaper: Clover Mfg Co Norwalk Conn
GREENE TWEED builders hardware: Slaymaker Lock Co Lancaster Pa
GREYSTONE roofing: American Asphalt Roof Corp Kansas City 3 Mo
GRIFFIN band & metal cutting saws: John H Graham & Co Inc 105 Duane New York 8 N Y
GRIP LATH gypsum lath: Schumacher Wall Board Corp South Gate Cal
GRIP-TIGHT hose bands, menders, couplings, tools (for hose): Erco Mfg Co 4010 W Montrose Av Chicago 41 Ill
GRIPOTAN belting: J E Rhoads & Son Philadelphia 6 Pa
GROG ground fire brick: Robinson Clay Product Co Akron 8 Ohio
GUARD smooth roofing: Certain-teed Products Corp 120 S La Salle St Chicago 3 Ill
GUARDSMAN furniture polish, floor wax: Grand Rapids Varnish Corp Grand Rapids 2 Mich
GUMBO elastic putty: Allen Putty Products Co 340 N Ashland Av Chgo Ill
GUNNELSON hose clevis: Breyer Bros Whiting & Co Waupun Wis
GUTH FLUORESCENT: fluorescent office, store, warehouse fixtures: Edwin F Guth Co St Louis 3 Mo
GYLAP gypsum sheathing: United States Gypsum Co 300 W Adams St Chicago 6 Ill
GYPSTEEL gypsteel plank: Certain-teed Products Corp 120 S LaSalle St Chicago 3 Ill
H-O BREAKDOWN TILTING HOIST for feeding fast-feed machines & stacking lumber: Moore Dry Kiln Co Jacksonville 1 Fla
HALF-MOON files: Sandvik Saw & Tool Corp 47 Warren St New York 7 N Y
HALFTONE semi-gloss finish: Seidlitz Paint & Varnish Co Kansas City 10 Mo
HANDI-HOME extension ladders: Zoss Ladder & Mfg Co Portland 1 Ore
HANDIPILER portable belt: Standard Conveyor Co North St Paul Minn
HANDY WYTEFACE steel tape rules: Keuffel & Esser Co Hoboken N J
HARBORD moisture resistant plywood: Harbor Plywood Corp Hoquiam Wash
HARBORITE plastic faced Plywood: Harbor Plywood Corp Hoquiam Wash
HARTSHORN window shades & rollers, shade cloth: Stewart Hartshorn Co 250 Fifth Av New York 1 N Y
HASCO wood handles, turnings, dowels, plugs etc: H A Stiles & Co Boston 14 Mass
HAWTHORN barbed wire: Keystone Steel & Wire Co Peoria 7 Ill
HEART-OAK leather belting: Graton & Knight Co Worcester 4 Mass
HEAVY DUTY shingles: The Flintkote Co 220 E 42nd St New York 17 N Y
HELYX drive, floor, concrete screw nails: Hillwood Mfg Co Cleveland 17 Ohio
HENRY cross-cut saws: Henry Disston & Sons Inc Tacony Philadelphia 35 Pa
HERCULES chain, hoists: Columbus McKinnon Chain Corp Tonawanda N Y
HERCULES retan leather belting: Page Belting Co Concord N H
HERRINGBONE wall ties: Merwin Mfg Co Erie Pa
HETSON venetian blinds & awnings: W E Hettrick & Son Co Toledo 1 Ohio
HEX BUTT roll roofing: Bird & Son Inc East Walpole Mass
HEX MESH poultry netting: Wickwire Spencer A Div of The Colorado Fuel & Iron Corp 500 Fifth Av New York 18 N Y
HEX S tackle blocks, industrial hardware: Maine Steel Products Inc South Portland Maine
HEX-SCRU screws: Manufacturers Screw Products 222 W Hubbard St Chicago 10 Ill
HI-CAPACITY leather belting: Chas A Schieren Co 30-38 Ferry St New York 7 N Y
HI-DUTY spring butt hinges: Chicago Spring Hinge Co 1500 Carroll Av Chicago 7 Ill
HI-RIB front wheel tractor & implement tires: Kelly-Springfield Tire Co Cumberland Md
HI-RIB metal weatherstrip: The Security Co Detroit 3 Mich

HI-SPEED grinding compounds: Clover Mfg Co Norwalk Conn
HI-TEST boiler: Kewanee Boiler Corp Kewanee Ill
HI-WAY chain hoists: Wright Mfg Div American Chain & Cable Co York Pa
HIDALIFT sash balances: Turner & Seymour Mfg Co Torrington Conn
HIFIRE fire brick: **HIFIRE BOND** high temperature cement: Denver Fire Clay Co Denver 17 Colo
HIGH-BAYS incandescent industrial reflectors: Edwin F Guth Co St Louis 3 Mo
HILO door hangers & track: Frantz Mfg Co Sterling Ill
HILO-CHROME chrome base bonding mortar: Mexico Refractories Co Mexico Mo
HILOSET bonding mortar: Mexico Refractories Co Mexico Mo
HOLE SHOOTER electric drills: Milwaukee Electric Tool Corp Milwaukee 2 Wis
HOLGUN portable electric drill: Black & Decker Mfg Co Towson 4 Md
HOLLYMADE builders hardware: Pacific Plastic & Mfg Co Los Angeles 16 Cal
HOLLYWOOD DOORS combination doors: West Coast Screen Co Los Angeles 1 Cal
HOLT flooring, handles, K D hardwoods & sawdust: Holt Hardwood Co Oconto Wis
HOME-OLA prefab houses: The Home-Ola Corp 9 S Clinton St Chgo 6 Ill
HOMESTEAD BRAND West Coast timber products: Mauk Seattle Lbr Co Seattle 1 Wash
HOMEWOODS face brick: Baltimore Brick Co Baltimore 5 Md
HOMO furnaces: Leeds & Northrup Co Philadelphia 44 Pa
HOWARD ironing boards, ladders, clothes driers: Howard Mfg Co Kent Wash
HOWARD MOPPITS mops: Howard Dustless Duster Co Boston 10 Mass
HUGLOCK nuts: National Screw & Mfg Co Cleveland 4 Ohio
HUMP furnaces: Leeds & Northrup Co Philadelphia 44 Pa
HUMPHREY gas water heaters: Ruud Mfg Co Pittsburgh 1 Pa
HYDRAULIC FOOTLIFT & HANDLIFT TRUCKS: Lewis-Shepard Products Inc Boston 72 Mass
HYDROCIDE class name for various dampproofing & waterproofing products: L Sonneborn Sons Inc 88 Lexington Av New York 16 N Y
HYDROGO soot destroyer: Pioneer Mfg Co Cleveland 4 Ohio
HYLITE CASEIN PAINT, CEMENT PAINT, WATER PUTTY: Carbola Chemical Co Natural Bridge N Y
HYPOL POLISH furniture polish: The Glidden Co Cleveland 2 Ohio
I C D formula No 9, non-inflammable paint, varnish & lacquer remover, & brush cleaner: Industrial Chemical Development Corp 347 Madison Av New York 17 N Y
I P C lightning protection for all types structures & trees; weather vanes: Independent Protection Co Goshen Ind
ICE-O-MATIC refrigeration condensing units: Williams Oil-O-Matic Div Eureka Williams Corp Bloomington Ill
IDEAL cements, plaster: Coloroda Portland Cement Co Denver 2 Colo
IDEAL timber fittings for mill type bldgs, bldg anchors, timber connectors, joist & timber hangers: Ideal Hanger Co Cleveland 14 Ohio
IDEAL window cleaner & floor scrubber squeegees: W. J. Dennis & Co 1732 N Kolmar Av Chicago 39 Ill
IDEAL joist hangers: Cleveland Lock Works Div of Consolidated Iron-Steel Mfg Co Cleveland 14 Ohio
IMP insulating tape: Superior Insulating Tape Co St Louis 15 Mo
IMPERIAL store front metals & doors: The Kawneer Co Niles Mich
IMPERIAL FLOATLESS sump pumps: Imperial Brass Mfg Co 1200 W Harrison St Chicago 7 Ill
IMPERMALIN spar varnish: Pratt & Lambert Inc Buffalo 7 N Y
IMPROVED WONDER POWDER floor cleaner: Puritan Chemical Co Atlanta 3 Ga
IN-A-DOR disappearing beds: Murphy Door Bed Co 30 N LaSalle St Chicago 2 Ill
IN-CEL-ATE insulating cement: Mexico Refractories Co Mexico Mo
INDERON plastic faced plywood: C-W Plywood Co 9 S Clinton St Chicago 6 Ill
INDIAN fire pumps: D B Smith & Co Inc Utica 2 N Y
INDURITE chemical concrete floor hardener: Ceresit Waterproofing Corp 512 S Canal St Chicago 7 Ill
INSECTOCUTOR electric fly traps: National Electric Screen Corp 549 W Washington Blvd Chicago 6 Ill
INSECTROL insecticide: Puritan Chemical Co Atlanta 3 Ga
INSUL-THERM insulating refractory brick: Seaboard Refractories Co Perth Amboy N J
INSULUX glass blocks, products: Owens-Illinois Glass Co Toledo 1 Ohio
INSWELL chain: Columbus McKinnon Chain Corp Tonawanda N Y
INTERIOR BASE-COAT wall primer: The Glidden Co Cleveland 2 Ohio
INTERLOX shapes: Extruded Plastics Inc Norwalk Conn
INTERNATIONAL duct boosters, axial flow blowers: International Engineering Inc Dayton 1 Ohio
INTERNATIONAL motor trucks, power units, engines, tractors: International Harvester Co 180 N Michigan Av Chicago 1 Ill
INTERNATIONAL ECONOMY air conditioning units, steam & hot water boilers, water heaters: International Heater Co Utica 2 N Y
INTRA SEAL penetrating floor seal: Adco Inc Sedalia Mo
INVADER belting, air compressor, garden, industrial hose: Republic Rubber Div Lee Rubber & Tire Corp Youngstown 1 Ohio
INVINCIBLE tooth saw: Henry Disston & Sons Inc Tacony Philadelphia 35 Pa
INVIZIBLE sash balance: Grand Rapids Hardware Co Grand Rapids Mich
IRON-COTE metallic hardener: The Sullivan Co Memphis 2 Tenn
IRON KOTE black enamel: R F Johnston Paint Co Cincinnati 12 Ohio
IRONBOUND flooring mastic, sealer etc: Storm Flooring Co 2500 Park Av New York 51 N Y
IRONITE FLOORING metallic floor hardener; **WATERPROOFING** metallic waterproofing: Ironite Co 111 W Washington St Chicago 2 Ill
IRONTILE hollow bldg tile: Adel Clay Products Co Des Moines Iowa
IVORY KOTE wall paint: R F Johnston Paint Co Cincinnati 12 Ohio
J-M Rock Wool insulation: Johns-Manville 22 E 40th St New York 16 N Y
JACK FROST sheathing paper: The Barrett Div Allied Chemical & Dye Corp 40 Rector St New York 6 N Y
JACKMANCO wheelbarrows, mortar mixing boxes etc: Jackson Mfg Co Harrisburg Pa
JAPALAC enamel, varnish stain: The Glidden Co Cleveland 2 Ohio
JAY BEE The Super Duty fire brick: Mexico Refractories Co Mexico Mo
JET-O-MATIC water systems: Goulds Pumps Inc Seneca Falls N Y
JETBLAK roof coating: The Ruberoid Co 500 Fifth Av New York 18 N Y
JEWEL sandpaper: Abrasive Products Inc South Braintree Mass
JEWEL GARNET abrasive paper & cloth: Abrasive Products Inc South Braintree Mass
JEWELITE finishing paper: Abrasive Products Inc South Braintree Mass
JEWELOX abrasive metal cloth: Abrasive Products Inc South Braintree Mass
JEX steel wool: The Williams Co London Ohio
JOHN DAY Ponderosa pine: Oregon Lumber Co Baker Ore
JOLTERETE concrete block machine: Stearns Mfg Co Adrian Mich
JORGENSEN handscrews, C, bar & mitre clamps: Adjustable Clamp Co 417 N Ashland Av Chicago 22 Ill
JOYCE house-moving jacks: Joyce Cridland Co Dayton 7 Ohio
K & E drafting equipment, slide rules, surveying instruments, leveling rods, ranging poles: Keuffel & Esser Co Hoboken N J
K-VENIENCE clothes closet fixtures etc: Knape & Vogt Mfg Co Grand Rapids 4 Mich
KALACIDE clear toxic preservative: Protection Products Mfg Co Kalamazoo Mich
KALITE acoustical plaster: Certainteed Products Corp 120 S LaSalle St Chicago 3 Ill
KALONITE calcimine: U S Kalsomine Co 50 Church St New York 7 N Y
KALSIZE prepared size for plastered walls: The Glidden Co Cleveland 2 O
KANT-LEAK roof cement & coatings: The Sullivan Co Memphis 2 Tenn
KANT SLIP truck & tractor tires: Kelly-Springfield Tire Co Cumberland Md
KARLOAD KLUB roof coating: Devoe & Raynolds Co Inc 787 First Av New York 17 N Y
KAST-TITE castable refractory: Chicago Fire Brick Co 1461 N Elston Av Chicago 22 Ill
KAUKIT caulking, pointing, glazing compound: L Sonneborn Sons Inc 88 Lexington Av New York 16 N Y
KAYDEL portable electric moisture-content indicators: Hart Moisture Gauges Inc 126 Liberty St New York 6 N Y
KAZENE casein paste paint: U S Kalsomine Co 50 Church St New York 7 N Y
K-B sheathing paper: The Flintkote Co 220 E 42nd St New York 17 N Y
KEILSON apartment house mail boxes: Bommer Spring Hinge Co 263 Classon Av Brooklyn 5 N Y
KELLEY-ALBANY jacks: Stimmel Winch Co 37-24 33rd St Long Island City 1 N Y
KELVINATOR electric refrigerators, ranges, water heaters, home freezers: Nash-Kelvinator Corp Detroit 32 Mich
KEMA-TOX termite control chemical: Phelan-Faust Paint Mfg Co St Louis 11 Mo
KEMI-KAL concrete surface hardener: Sullivan Co Memphis 2 Tenn
KEMICK heat-resistant paint that holds to hot metal surfaces: American Chemical Paint Co Ambler Pa
KENMORE fibreboard: Certain-teed Products Corp 120 S LaSalle St Chicago 3 Ill
KENNEBAGO cross-cut saws: Henry Disston & Sons Inc Tacony Philadelphia 35 Pa
KERNERATOR incineration: Kerner Incinerator Div Morse Boulger Destructor Co 205 E 42nd St New York 17 N Y
KEROGAS oil ranges, stoves, heaters, portable ovens, wicks: A J Lindemann & Hoverson Co Milwaukee 7 Wis
KEYSTONE files, rasps, saws: Henry Disston & Sons Inc Tacony Philadelphia 35 Pa
KEYSTONE BRAND wire screen cloth: The Seneca Wire & Mfg Co Fostoria Ohio
KICKAPOO barbed wire: Keystone Steel & Wire Co Peoria 7 Ill
KILNOISE acoustical plaster: Kelley Island Lime & Transport Co Cleveland 14 O
KILNTITE dry kiln door lining: Grand Rapids Vapor Kiln Inc Grand Rapids 2 Mich
KIMSUL insulation, vapor seal paper: Kimberly-Clark Corp (Kimsul Div) Neenah Wis
KING handles: Marion Handle Mills Inc Marion Va
KING COTTON clothesline, sash cord, venetian blind cord, awning rope: John H Graham & Co 105 Duane New York 8 N Y
KIMPREG plastic surfacing: Kimberly-Clark Corp Neenah Wis
KINGSTRIP combination sash balance & weatherstrip: Protex Weatherstrip Mfg Co 4500 S Western Av Chgo 9 Ill
KINTRIM mouldings: Kinkead Industries Inc 450 W Superior St Chicago 10 Ill
KLEAN SHYNE floor cleaner: Adco Inc Sedalia Mo
KLEEN HEET oil burners, water heaters, oil burning furnace units & boiler units: Automatic Burner Corp 1823 W Carroll Chicago 12 Ill
KLEEN KUT BRAND insulating tapes: Superior Insulating Tape Co St Louis 15 Mo
KLEENADRAIN pipe cleaner: U S Sanitary Specialties Corp 435 S Western Av Chicago 12 Ill
KLEENITE for floors, glass, metal etc: The Sullivan Co Memphis 2 Tenn
KLING-TITE belt dressing: The Sullivan Co Memphis 2 Tenn
KLOES awning fixture equipment: New York Awning Co 401 W 36th St New York 18 N Y
KNIGHT SAW MILLS dogs, set works, edgers: The Kent Machine Co Cuyahoga Falls Ohio
KOKOMO KORNERS zinc corners for siding, frame strips for window & door frames: Bugher Mfg Co Kokomo Ind
KOLORPINS nails for applying wallboard: Independent Nail & Packing Co Bridgewater Mass
KOMIX Pozzuolanic acid-resisting compound: The Sullivan Co Memphis 2 Tenn
KONSEAL concrete curing compound: The Sullivan Co Memphis 2 Tenn
KONSET integral waterproofing & hardener for concrete etc: The Sullivan Co Memphis 2 Tenn
KONTITE Portland cement paint for stucco etc: The Sullivan Co Memphis 2 Tenn

KOOL-WAIV fans: International Engineering Inc Dayton 1 Ohio
KOOLANSHADY residence awnings: Clifton Mfg Co Waco Tex
KOOLSHADE sun screen, metal frame screens, combination windows: Ingersoll Steel Div Borg Warner Corp 310 S Michigan Av Chicago 4 Ill
KOREKT KURE concrete curing compound: Fort Pitt Chemical Co Pittsburgh 22 Pa
KRANE KAR hoists, cranes, handling equipment: Silent Hoist & Crane Co 860 63rd St Brooklyn 20 N Y
KRANE KRAWLER crawler mounted power boom crane: Silent Hoist & Crane Co 860 63rd St Brooklyn 20 N Y
KREVIX spackling compound: U S Kalsomine Co 50 Church St New York 7 N Y
KRYOLITH glazing compound: Pennsylvania Salt Mfg Co Philadelphia 7 Pa
KWICK KOATER painting tool: Devoe & Raynolds Co Inc 787 First Av New York 17 N Y
KYANIZE paints, varnishes, enamels: Boston Varnish Co Boston 49 Mass
L-B all treated lumber products: Long-Bell Lumber Co Kansas City 6 Mo
L O F glass: Libbey-Owens-Ford Glass Co Toledo 3 Ohio
L & H ELECTRIC ranges, water heaters: A J Lindemann & Hoverson Co Milwaukee 7 Wis
LAKE BRAND red cedar shingles: Stave Lake Cedar Ltd Dewdney B C Canada
LAKE SHORE lumber crayons: American Crayon Co Sandusky Ohio
LAMINEX Douglas fir plywood, plastic faced plywood: The Wheeler, Osgood Co Tacoma 1 Wash
LANSHA FULITE glass doors: Schacht Associates Inc 415 E 55th St New York N Y
LANSTONE insulated sidings: Globe Roofing Products Co Whiting Ind
LAP-LOK vitrified wall coping: Robinson Clay Product Co Akron 8 Ohio
LAPIDENSIN waterproof sealer: American Fluresit Co Cincinnati 29 Ohio
LAPIDOLITH LIQUID concrete floor hardener & dustproofer: L Sonneborn Sons Inc 88 Lexington Av New York 16 N Y
LASTIDECK roof coating, asphalt paint: United Gilsonite Laboratories Scanton 1 Pa
LASTIK roof cement: Lastik Products Co Pittsburgh 22 Pa
LASTIKALK caulking compounds: Lastik Products Co Pittsburgh 22 Pa
LATITE high temperature cement: Denver Fire Clay Co Denver 17 Colo
LAUGHLIN hoist & cargo hooks: Thomas Laughlin Co Portland 6 Maine
LAUX LAUXTEX, PATCHING PLASTER, REZICOTE, VELLO, VELLO-ITE: paints, patching plaster: I F Laucks Inc Seattle 4 Wash
LAUXEIN glues: I F Laucks Inc Seattle 4 Wash and Monsanto Chemical Co St Louis 4 Mo
LAUXITE glues: I F Laucks Inc Seattle 4 Wash
LAUXTEX casein-bound texture interior finish; **LAUXTOL** preservative: Monsanto Chemical Co St Louis 4 Mo
LAWSON spring door hinges: Milwaukee Stamping Co Milwaukee 14 Wis
LAY-TITE floor coating: Steelcote Mfg Co St Louis 3 Mo
LEADER claw hammers, hatchets, axes: Marion Tool Corp Marion Ind
LEADOR track: Wagner Mfg Co Cedar Falls Iowa
LEE sash pulleys: Grant Pulley & Hardware Co 33-36 57th St Woodside N Y
LEITELT lumber lifts, transfer cars, turntables, car pullers: Leitelt Iron Works Grand Rapids 2 Mich
LEONARD electric refrigerators, ranges, water heaters, home freezers: Nash-Kelvinator Corp Detroit 32 Mich
LEV-L-FLOR repair & resurfacing compound for floors: Central Paint & Varnish Works 61-69 Prospect St Brooklyn 1 N Y
LEVEL-ON water paint: Foy Paint Co Cincinnati 12 Ohio
LEWIS LUMBER venetian blind slats: G B Lewis Co Watertown Wis
LIBERTY axes: Fayette R Plumb Inc Philadelphia 37 Pa
LIBERTY electric welded coil & machine chain: Cleveland Chain & Mfg Co Cleveland 5 Ohio
LIBERTY roof maintenance & barn paints: Carter Paint Co Liberty Ind
LIBERTY BRONZE wire screening: New York Wire Cloth Co 500 Fifth Av New York 18 N Y
LIENROC fire doors: Cornell Iron Wks 36th & 13th St Long Island City 1 N Y
LIFETIME FENCE, THE: Century Fence Co Waukesha Wis
LIFT-O-KRANE combination fork truck & power boom crane: Silent Hoist & Crane Co 860 63rd St Brooklyn 20 N Y
LIGNASAN (Reg U S Pat Off) fungicide: E I DuPont de Nemours & Co Wilmington 98 Del
LIGNOPHOL wood preservative & finish: L Sonneborn Sons Inc 88 Lexington Av New York 16 N Y
LIGNOTITE casein glue, wood check preventive: Lignotite Co 882 Milwaukee Av Chicago 22 Ill
LIGNOTOX wood preservative: Lignotite Co 882 Milwaukee Av Chicago 22 Ill
LIN-X clear gloss, wax, polish: Acme White Lead & Color Wks Detroit 11 Mich
LINK-BELT chains, conveyors, materials handling, power transmission machinery: Link-Belt Co 300 W Pershing Rd Chicago 9 Ill
LION crack filler: Reliable Paste Co 3560 Shields Av Chicago 9 Ill
LIQUID-LITE enamels: O'Brien Varnish Co South Bend 21 Ind
LIQUID VELVET paints: O'Brien Varnish Co South Bend 21 Ind
LITHOFORM phosphate coating chemical for making paint stick to galvanized iron, zinc & cadmium surfaces: American Chemical Paint Co Ambler Pa
LITHOZINC liquid & mixed paint: Blue Ridge Talc Co Henry Va
LITTLE AMERICAN floor sander: American Floor Surfacing Machine Co Toledo 3 Ohio
LITTLE GIANT clamp fixtures, press screws: Adjustable Clamp Co 417 N Ashland Av Chicago 22 Ill
LITTLE GIANT glue spreaders & mixers: Chas E Francis Co Huntington Ind
LITTLE HUMMER latches: Wagner Mfg Co Cedar Falls Iowa
LIVING PICTURES mirrors: Nurre Companies Inc Bloomington Ind
L O F glass—Libbey-Owens-Ford Glass Co Toledo 3 Ohio
LO HED electric hoists: American Engineering Co Philadelphia 25 Pa
LO-"K" cotton insulation: Lockport Cotton Batting Co Lockport N Y
LO-MAINTENANCE electric motors: Allis-Chalmers Mfg Co Milwaukee 1 Wis
LOADMASTER storage racks: Lewis-Shepard Products Inc Boston 72 Mass
LOC-SET asphalt shingle: Bird & Son Inc East Walpole Mass
LOCK JOINT stove & furnace pipe: Milcor Steel Co Milwaukee 4 Wis
LOCK WEAVE weldless wire chain: Cleveland Chain & Mfg Co Cleveland 5 Ohio
LOGGER'S DREAM combination skidder & loader logging machinery, truck mounted crane: Taylor Machine Works Louisville Mississippi
LOK-TITE TRIM: Carr, Adams & Collier Co Dubuque Iowa
LOMBARDY smooth brick: Baltimore Brick Co Baltimore 5 Md
LOWTHER C-SAW power, tree falling & log bucking saws: Harry A Lowther Co 141 W Jackson Blvd Chicago 4 Ill
LUG TRAC rock service & logging tire: Kelly-Springfield Tire Co Cumberland Md
LUMBERMAN cross-cut saws: Henry Disston & Sons Tacony Philadelphia 35 Pa
LUMITE plastic screen cloth: Chicopee Mfg Corp 47 Worth St New York 13 N Y
LUMNITE paint: Reardon Co St Louis 6 Mo
LUMNOX non-slip aggregate for concrete ramps etc: Ceresit Waterproofing Corp 512 S Canal St Chicago 7 Ill
LUPTON metal windows & doors: Michael Flynn Mfg Co Philadelphia 34 Pa
LUSTAQUIK enamel: Boston Varnish Co Everett Station Boston 49 Mass
LUSTERAID furniture polish: Foy Paint Co Cincinnati 12 Ohio
LUSTERBRYTE floor wax: U S Sanitary Specialties Corp 435 S Western Av Chicago 12 Ill
LUX-RIGHT steel area walls: St Paul Corrugating Co St Paul 1 Minn
LUXITE paint: Breinig Bros Hoboken N J
LYMAN barbed wire: American Steel & Wire Co Cleveland 13 Ohio
LYT-ALL wall finish: Pratt & Lambert Inc Buffalo 7 N Y
M & M hogs, reduction machinery: Mitts & Merrill Saginaw Mich
MRK resinoid wheels: Rapids-Standard Co Grand Rapids 2 Mich
MADUCO plastic mouldings: Macklanburg-Duncan Co Oklahoma City 1 Okla
MAILO-BOX residence mailboxes: Penn-Greg Mfg Co Minneapolis 3 Minn
MAJESTIC steel cabinets: Acme Metal Products Corp Blue Island Ill
MALLDRILL portable electric drill; **MALLSAW** portable electric saw: Mall Tool Co 7733 South Chicago Av Chicago 19 Ill
MALTA TOPCO & SUPREME window frames: The Malta Mfg Co Malta Ohio
MAMOUTH lumber crayons: American Crayon Co Sandusky Ohio
MANDO: Minnesota & Ontario Paper Co Minneapolis Minn
MANHATTAN hose belts: Raybestos-Manhattan Inc Manhattan Rubber Div Passaic N J
MARCO FOLDING, STO-A-WAY, TELE-FOLD stairways: Marschke Co St Paul 3 Minn
MARGON crack filled: United Gilsonite Laboratories Scranton 1 Pa
MARION electric ranges, water heaters: Rutenber Electric Co Marion Ind
MARKO marking crayons: American Crayon Co Sandusky Ohio
MARLITE wall panels: Marsh Wall Products Inc Dover Ohio
MARSH MASTIC for applying Marlite wall panels, **MOULDINGS** (Presdwood, stainles steel, aluminum, plastic, wood): Marsh Wall Products Inc Dover Ohio
MARVEL FLAT paint: **MARVELFILM** enamels: Martin Varnish Co 900 W 49th Place Chicago 9 Ill
MASON safety treads, thresholds, elevator sills, machinery mats, stair nosing & edgings: American Mason Safety Tread Co Lowell Mass
MASON-BOND paint for exterior masonry: Wilbur & Williams Co Boston 16 Mass
MASTER caulking compound: Allen Putty Products Co 340 N Ashland Av Chicago Ill
MASTER mechanical painters' tools: Wendell Mfg Co 4234 N Lincoln Av Chicago 18 Ill
MASTER shingles, roll roofing, roof coatings: B F Nelson Mfg Co Minneapolis 13 Minn
MASTER steel basement window: Kewanee Mfg Co Kewanee Ill
MASTER-BILT asphalt shingle: Bird & Son Inc East Walpole Mass
MASTER FLEX venetian blinds: Clifton Mfg Co Waco Texas
MASTER GLAZIERS putty: The Biddle Co St Louis 2 Mo
MASTER JACKLIFT lift trucks: Lewis-Shepard Products Inc Boston 72 Mass
MASTER MECHANIC screw drivers: Bridgeport Hdwe Mfg Corp Bridgeport 5 Conn
MASTER PAINTER'S enamel: R F Johnston Paint Co Cincinnati 12 O
MASTERFIL loose fill insulation: B F Nelson Mfg Co Minneapolis 13 Minn
MASTICRETE concrete floor patch: The Glidden Co Cleveland 2 Ohio
MATCHLESS screw drivers: Bridgeport Hardware Mfg Corp Bridgeport 5 Conn
MATERIALIFT hydraulic lumber lift: Joyce Cridland Co Dayton 1 Ohio
MATOWOC claw hammers, hatchets, axes: Marion Tool Corp Marion Ind
MAXTIC dressing for rubber belts: Norton Belting Co Wellesley Hills Mass
MAYDOLE claw hammers etc: Mayhew Steel Products Inc Shelburne Falls Mass
MAYFLOWER venetian blinds: W E Hettrick & Son Co Toledo 1 Ohio
McCORMICK-DEERING tractors: International Harvester Co 180 N Michigan Av Chicago 1 Ill
MECHANICS PAL measuring tapes: Waterbury Lock & Specialty Co Milford Conn
MECCO patching plaster, stove lining, furnace & refractory cement, plastic filler, iron cement, pipe joint compound, drain pipe cleaner: M E Curtis Mfg Co Boston 10 Mass
MEDCO Ponderosa & sugar pine, Douglas fir lumber: Medford Corp Medford Ore
MELMAC resin adhesive; **MELURAC** resin adhesive & resins: Plastics Div American Cyanamid Co 30 Rockefeller Plaza New York 20 N Y
METALBESTOS gas vent & flue pipe: Williams-Wallace Co San Francisco 7 Cal
METALCRAFT ROL-SCREEN rolling window screens: Metalcraft Screen Co Boston Mass

METALFLEX venetian blinds: W E Hettrick & Son Co Toledo 1 Ohio
METALLITE aluminum paint: The Glidden Co Cleveland 2 Ohio
METALOX non-shrink aggregate added to Portland cement mixtures: Ceresit Waterproofing Corp 512 S Canal St Chicago 7 Ill
METALPREP metal cleaner & rust remover: Neilson Chemical Co Detroit 7 Mich
METALSIUM metallic hardener for concrete floors: Ceresit Waterproofing Corp 512 S Canal St Chicago 7 Ill
METCALF wheel dressers: Hanchett Mfg Co Big Rapids Mich
METEOR electric hoists: Columbus McKinnon Chain Corp Tonawanda N Y
MEX floor cleaner & bleach, paint brush restorer: United Gilsonite Laboratories Scranton 1 Pa
MEX-R-CO bonding mortar: Mexico Refractories Co Mexico Mo
MIAMI bathroom cabinets & accessories: The Philip Carey Mfg Co Lockland Cincinnati 15 Ohio
MICRO-MAG for spraying & dusting: National Mortar & Supply Co Pittsburgh Pa
MID-STATES ADRIAN, BEN HUR, BLUE RIBBON, GIANT, STAR fence, bale ties, steel gates: Mid-States Steel & Wire Co Crawfordsville Ind
MIDGET punches: Henry Disston & Sons Inc Tacony Philadelphia 35 Pa
MILCOR SPECIALMESH metal lath: Milcor Steel Co Milwaukee 4 Wis
MILWAUKEE spring door hinges: Milwaukee Stamping Co Milwaukee 14 Wis
MINALITH fire-retardant for wood: American Lumber & Treating Co 332 S Michigan Av Chicago 4 Ill
MINALOX grinding wheels: Wisconsin Abrasive Co Milwaukee 11 Wis
MIRACLE COAT enamel, paint: 20th Century Paint & Varnish Co 30 Roebling St Brooklyn 11 N Y
MIRROLAC: Devoe & Raynolds Co 787 First Av New York 17 N Y
MISSOURI FLINT fire brick: Chicago Fire Brick Co 1461 N Elston Av Chicago 22 Ill
MO-REX firebrick: Mexico Refractories Co Mexico Mo
MODEX casein paint, Tempera colors: The Reardon Co St Louis 6 Mo
MONARCH car door opener: Mining Safety Device Co Bowerston Ohio
MONARCH fence: Keystone Steel & Wire Co Peoria 7 Ill
MONARCH ranges, heaters, water heaters: Malleable Iron Range Co Beaver Dam Wis
MONARCH saw sets: Henry Disston & Sons Inc Tacony Philadelphia 35 Pa
MONARCH varnishes, wall finishes, enamels: Gillespie Varnish Co Jersey City 6 N J
MONARCH woodworking machinery: American Saw Mill Machinery Co Hackettstown N J
MONARCH UNI-POINT radial saw: American Saw Mill Machinery Co Hackettstown N J
MONARCH WHYTE STRAND wire rope: Macwhyte Co Kenosha Wis
MONITOR roll roofings: Globe Roofing Products Co Whiting Ind
MONO-FIBRIK plastic firebrick: Mexico Refractories Co Mexico Mo
MONTGOMERY'S BLOW-RITE systems for blower systems, sawmill & planing mill: Jacksonville Blow Pipe Co Jacksonville Fla
MOORE CROSS-CIRCULATION dry kilns, veneer dryers: Moore Dry Kiln Co Jacksonville 1 Fla
MOORE FIN-PIPE heating coils: Moore Dry Kiln Co Jacksonville 1 Fla
MOOREKILN dry kiln paints, door, trucks: Moore Dry Kiln Co Jacksonville 1 Fla
MORT-AIRSET high temperature cement: Walsh Refractories Corp St Louis 7 Mo
MOTOWLIFT fork lift truck: Service Caster & Truck Div of Domestic Industries Inc Albion Mich
MOUNT HOOD Douglas fir: Oregon Lumber Co Dee Ore
MULSOMASTIC mastic flooring: Tremco Mfg Co Cleveland 4 Ohio
MULTI-RIB tractor & implement tires: Kelly-Springfield Tire Co Cumberland Md
MULTI-SHINGLES asphalt shingles: Barrett Div Allied Chemical & Dye Corp 40 Rector St New York 6 N Y
MULTI-STRAND SELVAGE EDGE wire screening: New York Wire Cloth Co 500 Fifth Av New York 18 N Y
MULTITHERM air conditioning units: Clarage Fan Co Kalamazoo 16 Mich
MUNISING kitchen woodenware, tool & appliance handles: Cleveland-Cliffs Iron Co Cleveland 14 Ohio
MUNNS WALL SIZE: U S Kalsomine Co 50 Church St New York 7 N Y
MURALAC horizontal scored board: Tylac Co Monticello Ill
NAILING CONCRETE acoustical lightweight or fiberous admixture for all rough coat or finished plaster, concrete etc: The Sullivan Co Memphis 2 Tenn
NARRO-LINE overhead door: Clark Door Co Newark 8 N J
NATIONAL adhesives: National Adhesives Div of National Starch Products Inc 270 Madison Av New York 16 N Y
NATIONAL TILEBOARD: National Tileboard Co 1314 Blondel Av Bronx 61 N Y
NATURAL GRIP belt dressing: Chas A Schieren Co 30-38 Ferry St New York 7 N Y
NAVY screw drivers: Bridgeport Hardware Mfg Corp Bridgeport 5 Conn
NB veneers, oak flooring, semi-finished dimension: Nickey Bros Inc Memphis 12 Tenn
ling Paint & Varnish Co Malden 48 Mass
NEMO asbestos cement: Smith & Kanzler Inc Elizabeth 2 N J
NEOCETA paint brushes: Pittsburgh Plate Glass Co Baltimore Md
NEOSOTE WOOD PRESERVATIVE: Protexol Corp Kenilworth 4 N J
NEPONSET cap sheet roofing: Bird & Son Inc East Walpole Mass
NEPONSET BLACK waterproof vapor barrier paper: Bird & Son Inc East Walpole Mass
NETMESH metal lath: Milcor Steel Co Milwaukee 4 Wis
NEV-A-RUST metal protective paint: The Glidden Co Cleveland 2 Ohio
NEVEDA cross-cut saws: Henry Disston & Sons Inc Tacony Philadelphia 35 Pa
NEVER-SLIP conductor hooks: LaCrosse Steel Roofing & Corrugating Co LaCrosse Wis
NEW-FLO fire clay: Chicago Fire Brick Co 1461 N Elston Av Chicago 22, Ill
NEW JUMBO nail pullers: Bridgeport Hardware Mfg Corp Bridgeport 5 Conn
NEW LONDONER hollow core flush doors: American Plywood Corp New London Wis
NEW PROCESS sandpaper, abrasive cloth: Abrasive Products South Braintree Mass
NEW VITRALITE, THE enamel: Pratt & Lambert Inc Buffalo 7 N Y
NEW WAY store equipment etc: Grand Rapids Store Equipment Co Grand Rapids 2 Mich
NIBCO brushes, mops, dusters: Silver-Chambelin Co Clayton N J
NINE LIFE brush cleaner: Cleveland Cleaner & Paste Co Cleveland 2 Ohio
NIP-N-TUC weather strip: W J Dennis & Co 1732 N Kolmar Av Chicago 39 Ill
No. 464—A LUMBER SEALING COMPOUND end coating: The Akron Paint & Varnish Co Akron 1 Ohio
NO-EQ-UAL asbestos fiber roof coating: R F Johnston Paint Co Cincinnati 12 Ohio
NO-PAINT-ODOR FINISH paint: Forman Ford & Co Minneapolis 1 Minn
NON-SKID screw drivers: Bridgeport Hardware Mfg Corp Bridgeport 5 Conn
NON STICK WINDOWS: N S W Co Detroit 7 Mich
NON-SYPHONING roofing: Milcor Steel Co Milwaukee 4 Wis
NONPAREIL pumpjacks: Breyer Bros Whiting & Co Waupun Wis
NORBO metallic paints: Premier Chemical Corp Cleveland 10 Ohio
NORWESCO conductor pipe, eaves trough, ridge roll, shingles, valley, iron etc: Northwest Metal Products Inc Seattle 4 Wash
NORWOOD doors, Douglas fir, exterior & marine plywood: Northwest Door Co Tacoma 1 Wash
NOX-'EM ALL rosin sized sheathing: Barrett Div Allied Chemical & Dye Corp 40 Rector St New York 6 N Y
NOXIDE metal paint: Pratt & Lambert Inc Buffalo 7 N Y
NOXTANE sap stain preservatives: Wood Treating Chemicals Co St Louis 10 Mo
NOYO California redwood: Union Lumber Co San Francisco Calif
NU-ART alacrome & stainless steel mouldings, stair nosing, push & kick plates, metal thresholds: Macklanburg-Duncan Co Oklahoma City 1 Okla
NU-CALK caulking compound & guns: Macklanburg-Duncan Co Oklahoma City 1 Okla
NU-STYLE kitchen cabinets: Carr, Adams & Collier Co Dubuque Iowa
NU-VIA window material: Sol-O-Lite Mfg Co 4301 W North Av Chicago 30 Ill
NU-WAY weather strip: Macklanburg-Duncan Co Oklahoma City 1 Okla
NU-WOOD insulating interior finish, plank, tile, board: Wood Conversion Co St Paul 1 Minn
NUCORD sash cord: Silver Lake Co 99 Chauncy St Boston 11 Mass
NUDECK roof coating, plastic roof cement: United Gilsonite Laboratories Scranton 1 Pa
NUECO floor & trim varnish: Foy Paint Co Cincinnati 12 Ohio
NUMETAL weather strips: Macklanburg-Duncan Co Oklahoma City 1 Okla
NUWAL flat wall paint: R F Johnston Paint Co Cincinnati 12 Ohio
NYACO awnings: New York Awning Co 401-403 W 36th St New York 18 N Y

O-A bldg items: Oregon-American Lumber Corp Veronia Ore
OH BOY furniture polish: U S Sanitary Specialties Corp 435 S Western Av Chicago 12 Ill
OHIO WOODLAND fire brick & clay: Robinson Clay Product Co Akron 8 Ohio
OIL-MASTER door closer: Newell Mfg Co Lowell Mich
OIL-O-MATIC oil burners, oil fired boiler, furnaces, water heaters: Williams Oil-O-Matic Div Eureka Williams Corp Bloomington Ill
OILDRAULIC LEVELATORS & LUMBER LIFTS: Rotary Lift Co Memphis 2 Tenn
OILTONE wall paint: Seidlitz Paint & Varnish Co Kansas City 10 Mo
OLD AMERICAN shingles, roofing, siding, cements, flashing, adhesives: American Asphalt Roof Corp Kansas City 3 Mo
OLD CHELSEA "QUICK" enamel: R F Johnston Paint Co Cincinnati 12 Ohio
OLD ENGLISH paint brush cleaner, crack filler, floor waxes, mops, polish: Boyle-Midway Inc Jersey City 2 N J
OLD MASTERS PASTE outside paste paint: Breinig Bros Inc Hoboken N J
OLD RELIABLE roofing: Bird & Son Inc East Walpole Mass
OLD RELIABLE wooden ladders: Goshen Mfg Co Goshen Ind
O'LITE paint: O'Brien Varnish Co South Bend 21 Ind
OLIVER wheel tractors: The Oliver Corp Industrial Div Cleveland 17 Ohio
OMAK-KWALITY window, door, cellar frames; trim, mouldings, casing, base, finish lumber, furniture specialties etc: Biles-Coleman Lbr Co Omak Wash
ONLY ORIGINAL soot destroyer: Saginaw Salt Products Co Saginaw 35 Mich
ON-TO-STA gummed tapes: Atlantic Gummed Paper Corp 1 Main St Brooklyn 1 N Y
OPAL wire screening: New York Wire Cloth Co 500 Fifth Av New York 18 N Y
ORANGEBURG pipe, conduit, underfloor duct: Fibre Conduit Co Orangeburg N Y
ORANGE-STRIPE garnet paper & cloth: Clover Mfg Co Norwalk Conn
OTC wrenches, screw drivers, punches, chisels, special tools: Owatonna Tool Co Owatonna Minn
OVER-THE-TOP door equipment: Frantz Mfg Co Sterling Ill
OX BRAND auger bits, chisels, masonry drills, putty knives, plumbers tools: Oxford Tool Co Philadelphia 22 Pa
OZARK cross-cut saws: Henry Disston & Sons Tacony Philadelphia 35 Pa
OZARK BRAND oak flooring: The Ozark Oak Flooring Co Bismarck Mo
P & A oil burners for incubators, brooders, stock waterers: Plume & Atwood Mfg Co Waterbury 88 Conn
P&L paints, stains, varnish, enamels: Pratt & Lambert Inc Buffalo 7 N Y
PC GLASS BLOCKS wall construction material, Pittsburgh Corning Corp Pittsburgh 22 Pa
PX-33 plastic firebrick: Denver Fire Clay Co Denver 17 Colo
PACEMAKER axes: Fayette R Plumb Philadelphia 37 Pa
PACKAGED HEAT oil or gas furnaces, boiler burner units: Penn Boiler & burner Mfg Corp Lancaster Pa
PALCO WOOL redwood bark insulation: The Pacific Lumber Co San Francisco 4 Cal
PALLET HYDRAULIC TRUCKS: Lewis-Shepard Products Inc Boston 72 Mass
PAMUDO Douglas fir plywood, millwork: Pacific Mutual Door Co Tacoma 1 Wash

PANAMOID roll roofing: Barrett Div Allied Chemical & Dye Corp 40 Rector St New York 6 N Y
PANTRIM pantry shelf metal edging: Samson Products Co 4238 N Leavitt Av Chicago 18 Ill
PARAGON drafting machine, scales: Keuffel & Esser Co Hoboken N J
PARAGON roll roofing: Barrett Div Allied Chemical & Dye Corp 40 Rector St New York 6 N Y
PARAMOUNT gas & combination ranges: Malleable Iron Range Co Beaver Dam Wis
PARKAY hdwd flooring, lbr, veneers, dimension: Wood-Mosaic Co Inc Louisville Ky
PAR-TOX (Reg U S Pat Off) rot & termite proofing: Ira Parker & Sons Co Oshkosh Wis
PARISIAN WALL SIZE: United Gilsonite Laboratories Scranton 1 Pa
PAROID roofing: Bird & Son Inc East Walpole Mass
PARRAL PLASTIC high temperature bonding mortar: Robinson Clay Product Co Akron 8 Ohio
PATCHTITE plastic firebrick: Robinson Clay Product Co Akron 8 Ohio
PATROL roofing: Certain-teed Products Corp 120 S LaSalle St Chicago 3 Ill
PEARL wire cloth for screens: Gilbert & Bennett Mfg Co Georgetown Conn
PEERLESS outdoor furniture: Tucker Duck & Rubber Co Fort Smith Ark
PEERLESS tacks: American Steel & Wire Co Cleveland 13 Ohio
PELHAM sash cord: Silver Lake Co 99 Chauncy St Boston 11 Mass
PELLA venetian blinds, wood & steel combined casement windows, Rolscreen Co Pella Iowa
PEN-CHROME wood finish: O'Brien Varnish Co South Bend 21 Ind
PEN-E-TRITE wallpaper remover: Pyramid Process Co East Rochester N Y
PEN-O-FLOOR floor finish: Breinig Bros Inc Hoboken N J
PENCO DDT, GRAIN FUMIGANT insecticides: Pennsylvania Salt Mfg Co Philadelphia 7 Pa
PENETREM filler & sealer for concrete wood etc floors: Tremco Mfg Co Cleveland 4 Ohio
PENETRINE penetrating oil, bolt & rust remover: Sullivan Co Memphis 2 Tenn
PENNGLASS roof & relief ridge ventilators: Pennsylvania Wire Glass Co Philadelphia 3 Pa
PENNSALT PM-90, PM-95, RI-50 rust preventing & removing compounds: Pennsylvania Salt Mfg Co Philadelphia 7 Pa
PENNVERNON window glass: Pittsburgh Plate Glass Co Pittsburgh 19 Pa
PENNWOVEN wire screening: Pennsylvania Woven Wire Co Lock Haven Pa
PENPLY Douglas fir, Douglas fir ext plywood: Peninsula Plywood Corp Port Angeles Wash
PERF-A-TAPE system for "welding" panels together: United States Gypsum 300 W Adams St Chicago 6 Ill
PERFECTION blind hinges & hooks: Austin & Eddy Inc Boston 4 Mass
PERFECTION glass cutting boards: Lufkin Rule Co Saginaw Mich
PERFECTION insulation, masons hydrated lime: Riverton Lime & Stone Co Riverton Va
PERFECTION saws: E C Atkins & Co Indianapolis 9 Ind
PERFECTION BRAND door springs: Wickwire Spencer A Div of The Colorado Fuel & Iron Corp 500 Fifth Av New York 18 N Y
PERFECTION BRAND oak flooring: Arkansas Oak Flooring Co Pine Bluff Ark
PERFECTLITE metal bathroom cabinets: Columbia Metal Box Co 260 E 143rd St New York 51 N Y
PERMA BASE surface seal for wood floors: Adco Inc Sedalia Mo
PERMA GLAZE glazing compound: The Biddle Co St Louis 2 Mo
PERMA-GARD welded wire fabric: Gilbert & Bennett Mfg Co Georgetown Conn
PERMA SEAL calking compound, roofing cement, paints, putty, varnish: Fort Pitt Chemical Co Pittsburgh 22 Pa
PERMA SHYNE floor wax: Adco Inc Sedalia Mo
PERMADURA trim colors, enamel: Foy Paint Co Cincinnati 12 Ohio
PERMASAN wood preservative: Monsanto Chemical Co St Louis 4 Mo
PERMATITE aluminum & bronze windows: General Bronze Corp 34-19 10th St Long Island City 1 N Y
PERMATONE ASBESTOS SIDING SHINGLES: Johns-Manville Corp 22 E 40th St New York 16 N Y
PERMATOX A wood preservative, **PERMATOX 108** sap stain & mold control, **PERMATOX WR** water repellent wood preservative: A D Chapman & Co Inc 333 N Michigan Av Chicago 1 Ill
PERMO-SEAL roofing cement: Pioneer Mfg Co Cleveland 4 Ohio
PEROLINE rust preventing chemical: American Chemical Paint Co Ambler Pa
PERPET-U-OIL stain & sealer: 20th Century Paint & Varnish Co 30 Roebling St Brooklyn 11 N Y
PETRIFO casein paint: U S Kalsomine Co 50 Church St New York 7 N Y
PEXTO tools: Peck, Stow & Wilcox Co Southington Conn
PEE GEE: Devoe & Raynolds Co 787 First Av New York 17 N Y
PHILA TOOL CO hammers: Fayette R Plumb Inc Philadelphia 37 Pa
PHILBRICK cutter heads: Henry Disston & Sons Tacony Philadelphia 35 Pa
PHILLIPS screws & bolts: American Screw Co Providence 1 R I
PHOENIX sash cord, awning line: Samson Cordage Works Boston 10 Mass
PILOT motors, ventilators: F A Smith Mfg Co Rochester 2 N Y
PINE CRAFT frames, screens, millwork: White Pine Sash Co Spokane 7 Wash
PIONEER pipe joint compounds: Pioneer Mfg Co Cleveland 4 Ohio
PIONEER KNOT farm fence: Continental Steel Corp Kokomo Ind
PIONEER PORTABLE ELECTRIC drills, grinders, hack saws: Louisville Electric Mfg Co Louisville 11 Ky
PITTCO store fronts: Pittsburgh Plant Glass Co Pittsburgh 19 Pa
PITTSBURGH fences, welded wire fabrics etc: Pittsburgh Steel Co Pittsburgh 30 Pa
PITTSBURGH mirrors, plate glass: Pittsburgh Plate Glass Co Pittsburgh 19 Pa
PITTSBURGH BLUED, GOLD BAND, SILVER BAND, nails: **STEELTEX** for floors, plaster, stucco, masonry veneer: Pittsburgh Steel Co Pittsburgh 30 Pa
PLANKOTE gypsum composition: Certain-teed Products Corp 120 S LaSalle St Chicago 3 Ill
PLASTERCOAT dry kiln insulation, paint, roof coating: Black Cat Corp Hattiesburg Miss
PLATERPATCH: United Gilsonite Laboratories, Scranton 1 Pa
PLASTEX plastic texture paint: The Reardon Co St Louis 6 Mo
PLASTI-GLAZE glazing compound: Plastic Products Co Detroit 11 Mich
PLASTI-KOTE paint, floor finish: Plasti-Kote Co Cleveland 13 Ohio
PLASTIC WOOD cellulose fiber filler, white tile cement: Boyle-Midway Inc Jersey City 2 N J
PLASTICO dry kiln interior cement: Grand Rapids Vapor Kiln Inc Grand Rapids 2 Mich
PLASTIKTRIM plastic mouldings: R D Werner Co 295 Fifth Av New York 16 N Y
PLASTOID caulking compound, putty: Plastic Products Co Detroit 11 Mich
PLICAST CASTABLE REFRACTORY: Plibrico Jointless Firebrick Co 1800 N Kingsbury St Chicago 14 Ill
PLUMB hammers, hatchets, adzes, axes, sledges, files; **PLUMB LEADER** hammers, hatchets; **PLUMBAX** axes: Fayette R Plumb Inc Philadelphia 37 Pa
PLUSWOOD compregnated wood: Pluswood Inc Oshkosh Wis
PLYFORM Douglas fir concrete form panel: Douglas Fir Plywood Assn Tacoma 2 Wash
PLYMOUTH oil heaters: Gray & Dudley Co Nashville 3 Tenn
PLYPANEL Douglas fir plywood: Douglas Fir Plywood Assn Tacoma 2 Wash
PLYSCORD sheathing: Douglas Fir Plywood Assn Tacoma 2 Wash
PLYWALL Douglas Fir plywood wallboard: Douglas Fir Plywood Assn Tacoma 2 Wash
PLYWELD waterproof plywood: Aetna Plywood & Veneer 1732 N Elston Chicago 22 Ill
POL-MER-IK linseed oil: Archer-Daniels-Midland Co Minneapolis 2 Minn
PONY clamp fixtures, clamps, press screws: Adjustable Clamp Co 417 N Ashland Av Chicago 22 Ill
POROUSEAL wallboard sealer: Foy Paint Co Cincinnati 12 Ohio
PORTA-BILT kitchen cabinets, cupboards: Mutschler Bros Co Nappanee Ind
PORTER facing planers, jointers, shapers, routers, cut-off saws, surfacers: C O Porter Machinery Co Grand Rapids 4 Mich
PORTOBLOC chain hoists: Ford Chain Block Div American Chain & Cable Co Philadelphia 25 Pa
PORTOCUT portable chain saws: Vulcan Iron Works Co Denver 2 Colo
POSITIVE swinging door latches: Frantz Mfg Co Sterling Ill
POWER FORK industrial trucks: Lewis-Shepard Products Inc Boston 72 Mass
POWER-VEYOR portable belt: Equipment Engineering Co Kansas City 2 Mo
POWERMASTER portable elevators: Lewis-Shepard Products Inc Boston 72 Mass
POWERON spray nozzle for electrical fires: American - LaFrance - Foamite Corp Elmira N Y
PREE-FABB PRODUCTS wooden fence, garden furniture, ornamental iron railings: Fence Co of America 608 S Dearborn St Chicago 5 Ill
PRE-FIT doors: Fir Door Institute Tacoma 2 Wash
PREMIER saws: Henry Disston & Sons Inc Tacony Philadelphia 35 Pa
PREMIER spring hinges: Chicago Spring Hinge Co 1500 Carroll Av Chicago 7 Ill
PREMIER wood sash putty: Allen Putty Products Co 340 N Ashland Av Chicago Ill
PREP-RITE rust retarding material: Neilson Chemical Co Detroit 7 Mich
PRESERVASEAL floor seal: U S Sanitary Specialties Corp 435 S Western Av Chicago 12 Ill
PRESS - VEYOR stamping conveyor: Rapids-Standard Co Grand Rapids 2 Mich
PRESTO-O-MATIC automatic bi-fold door assembly: Clark Door Co Newark 8 N J
PRESTILE adhesives, bathroom accessories, boards, cabinets, cement, mouldings, wallboard, tileboard, wall tile: Prestile Mfg Co 2860 Lincoln Av Chicago 13 Ill
PREWAY stoves, blow torches: Prentiss Wabers Products Co Wisconsin Rapids Wis
PRIESTER brick forks for cranes, lift trucks, truck cranes for delivery trucks or trailers: Bradney Machine Co Middletown N Y
PROMAL chains, buckets, castings etc: Link-Belt Co 300 W Pershing Rd Chicago 9 Ill
PROTEX weatherstrip: Protex Weatherstrip Mfg Co 4500 S Western Av Chgo 9 Ill
PROSLATE concealed nail roofing: Bird & Son Inc East Walpole Mass
PROTECTION AUTO TOP water repellent preserver: Protection Products Mfg Co Kalamazoo Mich
PRO-TEK-SHUN paints, finishes, enamels, varnish strain, varnishes, casein, calcimine: Steelcote Mfg Co St Louis 3 Mo
PROTEX rust preventives: Wayne Chemical Products Co Detroit 17 Mich
PROTEX NO 45, NO 60 fire doors: Roddis Lumber & Veneer Co Marshfield Wis
PROTEXIDE wood preservative: Protexol Corp Kenilworth 4 N J
PRY-AN'CO door bells & chimes, ironing boards, lighting fixtures, mailboxes: Pryne & Co Los Angeles 54 Cal
PULLMAN UNIT SASH BALANCES: Pullman Mfg Corp Rochester 7 N Y
PUREAIRE package kitchen: Parsons Co Detroit 3 Mich
PUREEN floor cleaner: Puritan Chemical Co Atlanta 3 Ga
PURI - GLOSS, PURI - KLEAN, PURI-PINE floor cleaners: Puritan Chemical Co Atlanta 3 Ga
PURITAN cleaner, floor wax: Foy Paint Co Cincinnati 12 Ohio
PURITAN sash cord: Puritan Cordage Mills Inc Louisville Ky
PURTONE cement colors: Adensite Co 37-19 23rd Long Island City N Y
PYRALUX lacquers: E I DuPont de Nemours & Co Wilmington 98 Del
PYRAMID wheat paste, wall size, sealing glue; Pyramid Process Co East Rochester N Y
PYRAMID vitrified clay wall coping: Robinson Clay Product Co Akron 8 O
PYRESOTE fireproofed preserved wood: Protexol Corp Kenilworth 4 N J
PYROSTAN fire & waterproof canvas: William W Stanley Co 401 Broadway New York 13 N Y
QUEEN brooder stoves, stock tank heaters: Queen Stove Works Albert Lea Minn
QUICK CRESTO calcimine: Reardon Co St Louis 6 Mo

QUICK GRIP wood scrapers: Fletcher Terry Co Forestville Conn
QUICK - LITER fluorescent lighting unit: Edwin F Guth Co St Louis 3 Mo
QUICK-SET lap cement: Bird & Son Inc East Walpole Mass
QUICK STICK wall size: Commercial Paste Co Columbus 8 Ohio
QUICKSAW portable electric saws: Black & Decker Mfg Co Towson 4 Md
QUIK-LIFT electric hoist: Coffing Hoist Co Danville Ill
QUIK - SLAK quicklime: Marblehead Lime Co 160 N LaSalle St Chicago 1 Ill
QUIKLIFT mechanical lift trucks: Lewis-Shepard Products Inc Boston 72 Mass

R G M CO rail & paling fence assemblies: Redwood Garden Materials Co Los Angeles 21 Cal
R-MIR-DEK floor paint: Miracle Adhesives Corp Newark 8 N J
R-V-LITE window material: Arvey Corp 3470 N Kimball Av Chicago 18 Ill
R W K casein paint: Reardon Co St Louis 6 Mo
RACO electrical boxes: All-Steel Equipment Co Aurora Ill
RADIA fans, electric heaters: Shepler Mfg Co Pittsburgh Pa
RADIANT putty: Boyle-Midway Inc Jersey City 2 N J
RADIUS camp stoves: Sandvik Saw & Tool Corp 47 Warren St New York 7 N Y
RAIN-TITE waterproofed tarpaulins: Clifton Mfg Co Waco Tex
RAINBOW calcimine: Reliable Paste Co 3560 Shields Av Chicago 9 Ill
RAINBOW house paint: R F Johnston Paint Co Cincinnati 12 Ohio
RANETITE bonding & caulking compounds, caulking plastic, dampproofers & waterproofers, floor paint, preservatives; Ranetite Mfg Co St Louis Mo
RAPID POWER BOOSTER portable belt conveyor: Rapids-Standard Co Grand Rapids 2 Mich
RAPID - ROLLER, RAPID - WHEEL gravity conveyors: Rapids-Standard Co Grand Rapids 2 Mich
RATOX venetian blinds: Hough Shade Corp Janesville Wis
RAY-O-LITE venetian blinds: Consolidated Venetian Blind Co Houston 8 Tex
READING BRAND "A W" cut nails: Alan Wood Steel Co Conshohocken Pa
READY-CUT prefab houses: Houston-Ready-Cut House Co Houston 1 Tex
RECO electric fence controllers, fans, portable grinders, electric motors, electric fly traps: Reynolds Electric Co 2650 W Congress St Chicago 12 Ill
RECO heaters, tanks, return systems: Richmond Engineering Co Richmond Va
RED BOOK credit information, collection service: Lumbermen's Credit Assn Inc 608 S Dearborn St Chgo 5 Ill
RED BRAND wire fence, barbed wire: Keystone Steel & Wire Co Peoria 7 Ill
RED DEVIL glaziers & painters tools, machines etc: Red Devil Tools Irvington 11 N J
RED DEVIL LYCONS chemical pipe cleaner: B T Babbitt Inc 386 4th Av New York 16 N Y
RED JOINT ladders: Breyer Bros Whiting & Co Waupun Wis
RED LINE overhead garage doors: Biddle Purchasing Co 280 Broadway New York N Y
RED METAL sash chain: Turner & Seymour Mfg Co Torrington Conn
RED SEAL BRAND West Coast timber products: Mauk Seattle Lbr Co Seattle 1 Wash
RED SEAL LYCONS chemical pipe cleaner: B T Babbitt Inc 386 4th Av New York 16 N Y
RED STREAK grinding wheels: Simonds Abrasive Co Philadelphia 37 Pa
RED TOP basement sash, coal doors, metal arches & lath, plasters, insulating wool, hydrated lime: United States Gypsum Co 300 W Adams St Chicago 6 Ill
RED TOP steel fence posts: Keystone Steel & Wire Co Peoria 7 Ill
RED - E - FIT ROT-PROOF Ponderosa pine windows: Huttig Mfg Co Muscatine Iowa
RED-STRIPE emery cloth: Clover Mfg Co Norwalk Conn
REDILIFT mechanical lift trucks: Lewis-Shepard Products Inc Boston 72 Mass
RED VI-O-TEX window material: Flex-O-Glass Mfg Co 1104 N Cicero Av Chicago Ill
REGAL axes: Fayette R Plumb Inc Philadelphia 37 Pa
RELAX spring hinges: Chicago Spring Hinge Co 1500 Carroll Av Chicago 7 Ill
RELIABLE wall size: Reliable Paste Co 3560 Shields Av Chicago 9 Ill
RELIANCE door springs: Chicago Spring Hinge Co 1500 Carroll Av Chicago 7 Ill
RELIANCE roofing: The Flintkote Co 220 E 42nd St New York 17 N Y
RELIANCE sawmill machinery, engines: Allis-Chalmers Mfg Co Milwaukee 1 Wis
RELANCE leather belting: Chicago Belting Co 121 N Green Chicago Ill
REMUL cold water paint: Martin Varnish Co 900 W 49th Place Chicago 9 Ill
REN-O-WAX floor wax: The Glidden Co Cleveland 2 Ohio
RENUR roof coating: American Asphalt Roof Corp Kansas City 3 Mo
REPUBLIC belting & air compressor, garden & industrial hose: Republic Rubber Div Lee Rubber & Tire Corp Youngstown 1 Ohio
REPUBLIC UPSON QUALITY bolts & nuts: Republic Steel Corp Cleveland 1 Ohio
RES-BOND coated abrasive resin-bonded discs: Clover Mfg Co Norwalk Conn
RESURFO spachtling compound: The Reardon Co St Louis 6 Mo
RESYN synthetic resin adhesives: National Adhesives Div of National Starch Products Inc 270 Madison Av New York 16 N Y
REX belting, chains, mixers, conveyors, couplings, haul-ups, log loaders, sprocket wheels, water supply system pumps: Chain Belt Co Milwaukee 4 Wis
REX nail pullers: Bridgeport Hardware Mfg Corp Bridgeport 5 Conn
REX CONSTRUCTION ROOFING: The Flintkote Co 220 E 42nd St New York 17 N Y
REX FLINTKOTE roofing: The Flintkote Co 220 E 42nd St New York 17 N Y
REZ synthetic resin sealer: Monsanto Chemical Co St Louis 4 Mo
REZ, REZITE wood preservatives: I F Laucks Inc Seattle 4 Wash
REZILO caulking compound: The Biddle Co St Louis 2 Mo
REZISTAL-TREATED windows: Huttig Mfg Co Muscatine Iowa
REZITE water repellent sealers for wood: Monsanto Chemical Co St Louis 4 Mo
REZO flush doors: Paine Lumber Co Ltd Oshkosh Wis
RHINO screw drivers: Bridgeport Hardware Mfg Corp Bridgeport 5 Conn
RICE'S paint products: U S Gutta Percha Paint Co Dept 19 Dudley & Eddy Sts Providence 1 R I
RICHARD oilers: Atlas - Ansonia Co North Haven Conn
RICHKRAFT SKUFPRUF, REGULAR, MEDIUM, PLASTICIZED DUPLEX, DUPLEX No 30, DUPLEX No 60: bldg paper: The Richkraft Co Builders Bldg Chicago 1 Ill
RID JID ironing tables, ladders, clothes racks: J R Clark Co Minneapolis 5 Minn
RIDOLINE alkali cleaning materials: American Chemical Paint Co Ambler Pa
RIDOSOL addition agents for cleaning solutions: American Chemical Paint Co Ambler Pa
RILCO glued laminated wood arches, rafters, trusses: Rilco Laminated Products Inc St Paul 1 Minn
RIPOLIN enamels: The Glidden Co Cleveland 2 Ohio
ROCHESTER sash balances: Milwaukee Stamping Co Milwaukee 14 Wis
ROCK-HARD water putty: Donald Durham Co Des Moines 4 Iowa
ROCKLATH gypsum plasterboard: United States Gypsum Co 300 W Adams St Chicago 6 Ill
ROCO wall size: Reardon Co St Louis 6 Mo
RODDISCRAFT doors, hardwood plywood: Roddis Lumber & Veneer Co Marshfield Wis
RODINE acid inhibitor: American Chemical Paint Co Ambler Pa
ROLL POINT catches (Reg U S Pat Off) American Cabinet Hdwe Corp Rockford Ill
ROLLAWAY door hangers & track: Frantz Mfg Co Sterling Ill
ROLLEZY overhead doors: Wagner Mfg Co Cedar Falls Iowa
ROLSCREENS rolling window screens: Rolscreen Co Pella Iowa
ROOF-DRES decorative coating for wood, asphalt & metal roofs: Forman Ford & Co Minneapolis 1 Minn
ROSAN RINGLOCKED inserts & studs: National Screw & Mfg Co Cleveland 4 Ohio
ROSTEX smooth brick: Baltimore Brick Co Baltimore 5 Md
ROYAL finishing lime: National Mortar & Supply Co Pittsburgh Pa
ROYAL fireplace equipment, radiant room heaters: Chattanooga Implement & Mfg Co Chattanooga 6 Tenn
ROYAL bonding mortar: Robinson Clay Product Co Akron 8 Ohio
ROYAL EAGLE folding rules: Eagle Rule Mfg Co 514 Hunts Point Av New York 59 N Y
ROYAL OAK FLOORING: Fordyce-Crossett Sales Co Fordyce Ark; also Crossett Ark
RUBBER - COAT rubber - base paint & enamel: Wilbur & Williams Co Boston 16 Mass
RUBERINE roof coating: Ruberoid Co 500 Fifth Av New York 18 N Y
RUBTONE varnish: Foy Paint Co Cincinnati 12 Ohio
RUFSIT treatment for producing bond or rough finishes on new concrete: Sullivan Co Memphis 2 Tenn
RUNWEL door hangers & track: Frantz Mfg Co Sterling Ill
RUSCO all-metal self storing combination windows, venetian awnings, jalousies: F C Russell Co Cleveland 15 Ohio
RUSSWIN hardware: Russell & Erwin Div American Hdwe Corp New Britain Conn
RUSTCOTINE rust preventive: Sullivan Co Memphis 2 Tenn
RUTHLESS barbed wire: Keystone Steel & Wire Co Peoria 7 Ill
RUUD-MONEL water heaters: Ruud Mfg Co Pittsburgh 1 Pa
S F LADLE firebrick: Robinson Clay Product Co Akron 8 Ohio
S I S roll roofing: Barrett Div Allied Chemical & Dye Corp 40 Rector St New York 6 N Y
S/T RAWLDRILLS masonry drills: Rawlplug Co 96 Lafayette St New York 13 N Y
S W P COVER THE EARTH paints: The Sherwin-Williams Co Cleveland 1 Ohio
SA-TAN BRAND chamois: Atlantic Sponge & Chamois Corp 49 Walker St New York 13 N Y
SABINITE acoustical plaster: U S Gypsum Co 300 W Adams St Chicago 6 Ill
SAFE-N-DRY Kraft bldg paper: Ruberoid Co 500 Fifth Av New York 18 N Y
SAFETY-PULL ratchet lever hoist: Coffing Hoist Co Danville Ill
SAG-NOTT doors: Harbor Plywood Corp Hoquiam Wash
SAGER builders locks, hardware: Sager Lock Wks Div of The Yale & Towne Mfg Co North Chicago Ill
SAGLESS gate spring, pivot hinges: Chicago Spring Hinge Co 1500 Carroll Av Chicago 7 Ill
ST CHARLES KITCHENS cabinets: St Charles Mfg Co St Charles Ill
ST PAUL dumping hoists, dump truck bodies: St Paul Hydraulic Hoist Co Minneapolis 14 Minn
SALLY SAW power tree falling & log bucking saw: Cummings Machine Wks Boston 10 Mass
SAMSON built-up columns, wood gutter, wood mouldings: Washington Mfg Co Tacoma 1 Wash
SAMSON weatherstrip, stair nosing, storm sash-screen combination etc: Samson Products Co 4238 N Leavitt Av Chicago 18 Ill
SANATOR incinerators: Pittsburgh Incinerator Co Pittsburgh 11 Pa
SANDIT floor sanders: Electric Sprayit Co Sheboygan Wis
SANDMASTER floor sanders: Atlas Floor Surfacing Machinery Corp 248 E 34th St New York 16 N Y
SANFORD trowels, putty knives, painters scrapers: Atlas-Ansonia Co North Haven Conn
SANITEX sanitary closet seat spring hinges: Chicago Spring Hinge Co 1500 Carroll Av Chicago 7 Ill
SANITIZED FLOOR WAX: U S Sanitary Specialties Corp 435 S Western Av Chicago 12 Ill
SANTOBRITE wood preservative: Monsanto Chemical Co St Louis 4 Mo
SANTOPHEN 20 preservative for adhesives, wood, oil base paints: Monsanto Chemical Co St Louis 4 Mo
SARAN molded plastic: The Dow Chemical Co Midland Mich
SARGENT paint, varnish, enamel products: Sargent-Gerke Co Indianapolis 6 Ind
SATIN FINISH enamel: O'Brien Varnish Co South Bend 21 Ind

SATIN SPAR finishing plaster: Certainteed Products Corp 120 S LaSalle St Chicago 3 Ill

SATIN STAIN for new wood: Breinig Bros Inc Hoboken N J

SATINLAC non builtup finish: Breinig Bros Inc Hoboken N J

SAVOGRAN cleaner, crack filler, wood putty, remover & bleacher for floors, paint brush cleaner, wax remover: The Savogran Co Boston 10 Mass

SAVOY SATIN enamel: Phelan-Faust Paint Mfg Co St Louis 11 Mo

SAWMASTER title cutting machinery: Master Woodworker Mfg Co Detroit 26 Mich

SCHUMITE gypsum wallboard, sheathing: Schumacher Wall Board Corp South Gate Cal

SCOTCH enamel, oil wood stains: R F Johnston Paint Co Cincinnati 12 Ohio

SCOTTIE JR boiler: Kewanee Boiler Corp Kewanee Ill

SCREEN-GLASS window material: Flex-O-Glass Mfg Co 1104 N Cicero Av Chicago Ill

SCREW-TITE nails: Independent Nail & Packing Co Bridgewater Mass

SEA LION leather belting: Chicago Belting Co 121 N Green Chicago Ill

SEABOARD-PENN firebrick: Seaboard Refractories Co Perth Amboy N J

SEAGRASS sponges: Schroeder & Tremayne Inc St Louis 3 Mo

SEAL-TEX waterproofed tarpaulins: Clifton Mfg Co Waco Tex

SEALIT concrete form ties: Bugenhagen Mfg Co Minot N D

SEALIT sealer for stucco, brick, stone etc: Sullivan Co Memphis 2 Tenn

SEALMASTER self-aligning ballbearing units: Stephens-Adamson Mfg Co Aurora Ill

SEALON concrete floor enamel: Sullivan Co Memphis 2 Tenn

SEALTITE bolts: Lewis Bolt & Nut Co Minneapolis 14 Minn

SEAPORT MANILA rope: Tubbs Cordage Co San Francisco 4 Cal

SEAWOOL sponges: Schroeder & Tremayne Inc St Louis 3 Mo

SECTION-LOCK patented Ponderosa pine combination doors: Huttig Mfg Co Muscatine Iowa

SECTIONFOLD overhead doors: J G Wilson Corp 370 Lexington Av New York 17 N Y

SECTIONROLL overhead garage doors: Farley & Loetscher Mfg Co Dubuque Iowa

SECUR-PLY weatherstrip: The Security Co Detroit 3 Mich

SECURITY weatherstrip: W J Dennis & Co 1732 N Kolmar Av Chicago 39 Ill

SELECTRIC water heaters: Bastian-Morley Co La Porte Ind

SELF-PRIMING flat paint: 20th Century Paint & Varnish Co 30 Roebling St Brooklyn 11 N Y

SEMATEX cement paint: U S Kalsomine Co 50 Church St New York 7 N Y

SENTINAL weatherstrip: The Security Co Detroit 3 Mich

SERVALL hammers: Fayette R Plumb Inc Philadelphia 37 Pa

SHADAY venetian blinds: Crawford-Austin Mfg Co Waco Tex

SHADE BETTER awnings, canopies, venetian blinds: Clifton Mfg Co Waco Tex

SHADOWGRAPH electric scale: Exact Weight Scale Co Columbus 8 Ohio

SHADOWLINE wood gutters: Long Fir Gutter Co Cadiz Ohio

SHADOWPOINT roofing: The Flintkote Co 220 E 42nd St New York 17 N Y

SHADOTONE siding: The Flintkote Co 200 E 42nd St New York 17 N Y

SHAKIT paint fresheners: Electric Sprayit Co Sheboygan Wis

SHARK chisels: Sandvik Saw & Tool Corp 47 Warren St New York 7 N Y

SHEDWEL door hangers & track: Frantz Mfg Co Sterling Ill

SHEETBRIX roll sidings: Globe Roofing Products Co Whiting Ind

SHEETROCK gypsum wallboard: U S Gypsum Co 300 W Adams St Chicago 6 Ill

SHEETSTONE roll sidings: Globe Roofing Products Co Whiting Ind

SHIELD machine knives: Taylor, Stiles & Co Riegelsville N J

SHIMIT concrete floor clips: Bugenhagen Mfg Co Minot N D

SHINGLECOAT shingle stain: Barrett Div Allied Chemical & Dye Corp 40 Rector St New York 6 N Y

SHINO dust & polish mops, polish, varnish **SHINO-SPAR** floor wax: Pioneer Mfg Co Cleveland 4 Ohio

SHOX STOK electric fence controllers: Guaranteed Products Wellington Ohio

SHUREDRY cotton duck & tarpaulins: Fulton Bag & Cotton Mills Atlanta Ga

SHURLOCK shingles: The Flintkote Co 220 E 42nd St New York 17 N Y

SI BRAND friction & rubber insulating tape: Superior Insulating Tape Co St Louis 15 Mo

SIL-CARB silicon carbide paper & cloth: Clover Mfg Co Norwalk Conn

SILCAR silicon carbide brick: Seaboard Refractories Co Perth Amboy N J

SILENT HOIST tractor & truck winches, car pullers: Silent Hoist & Crane Co 860 53rd St Brooklyn 20 17 N Y

SILENTITE self-fitting window: Curtis Companies Service Bureau Clinton Iowa

SILVER LAKE sash cord: Silver Lake Co 99 Chauncy St Boston 11 Mass

SILVER STEEL saws: E C Atkins & Co Indianapolis 9 Ind

SILVERLINR roller chains & sprockets: Link-Belt Co 300 W Pershing Rd Chicago 9 Ill

SILVERSTREAK silent chain drives: Link-Belt Co 300 W Pershing Rd Chicago 9 Ill

SIMPLEX roofing & sheathing nails: Crescent Brass & Pin Co Detroit 8 Mich

SIMPLEX spring hinges: Chicago Spring Hinge Co 1500 Carroll Av Chicago 7 Ill

SIMPLEX JENNY CENTER-HOLE hydraulic puller; **LEVER** jacks: Templeton, Kenly & Co 1020 S Central Av Chicago 44 Ill

SINDEN box car loaders: Stephens-Adamson Mfg Co Aurora Ill

SISALATION reflective insulation: Sisalkraft Co 205 W Wacker Dr Chicago 6 Ill

SISALFRONT BLACK TREATED paper for silos: Sisalkraft Co 205 W Wacker Dr Chicago 6 Ill

SISALKRAFT COPPER-ARMORED, ORANGE LABEL bldg paper: Sisalkraft Co 205 W Wacker Dr Chicago 6 Ill

SKIDOODLE portable fluorescent work light: Edwin F Guth Co St Louis 3 Mo

SKILBLOWERS portable electric blowers: Skilsaw Inc 5033 N Elston Av Chicago 30 Ill

SKILDRILLS portable electric drills: Skilsaw Inc 5033 N Elston Av Chicago 30 Ill

SKILGRINDERS electric grinders: Skilsaw Inc 5033 N Elston Av Chicago 30 Ill

SKILNIBBLER portable electric nibbler: Skilsaw Inc 5033 N Elston Av Chicago 30 Ill

SKILSANDERS electric belt, disc, floor sanders & edger: Skilsaw Inc 5033 N Elston Av Chicago 30 Ill

SKILSAWS portable electric saws: Skilsaw Inc 5033 N Elston Av Chicago 30 Ill

SKILSHEAR portable electric shear: Skilsaw Inc 5033 N Elston Av Chicago 30 Ill

SKINNER UNIT HEATERS: St Louis Blow Pipe & Heater Co St Louis 6 Mo

SKIP PIPE underdrain pipe: Robinson Clay Product Co Akron 8 Ohio

SKOTCH FASTENERS for joining wood: Superior Fastener Corp 2949 N Elston Av Chicago 18 Ill

SLICK all-purpose cleaner, linoleum floor coating: Glidden Co Cleveland 2 Ohio

SLIDEWELL bin swing: Ritsche Specialty Mfg Co St Cloud Minn

SLIP JOINT compound: Robinson Clay Product Co Akron 8 Ohio

SLIP-KNOT belt dressing: Webb Belting Co Kansas City 7 Mo

SLIP-PROOF GRAINS abrasive material for floors, stair treads etc: Sullivan Co Memphis 2 Tenn

SLO DRI creme paint, varnish remover: Breinig Bros Inc Hoboken N J

SMART SET venetian blinds: Consolidated Venetian Blind Co Houston 8 Tex

SMITH concrete mixers: T L Smith Co Milwaukee Wis

SMITHKO mortar & cement colors: Smith Chemical & Color Co 55 John St Brooklyn 1 N Y

SMOOTH-RUN abrasive belts & sleeves: Clover Mfg Co Norwalk Conn

SNUGGER cabinet catches: Casement Hardware Co 404 N Wood St Chicago 22 Ill

SODEROIL for repairing leaks in oil tanks, pipe lines, threaded joints against oil, gasoline or light solvents: Sullivan Co Memphis 2 Tenn

SOFSHEEN paint: Breinig Bros Hoboken N J

SOL-O-LITE window materials: Sol-O-Lite Mfg Co 4301 W North Av Chicago 30 Ill

SOLAR TEX, SOLAR-WEAVE glass substitute: Allen Bros Inc Omaha Neb

SOLARITE wall coating, art colors: Reardon Co St Louis 6 Mo

SOLID KUMFORT folding chairs .& tables: Louis Rastetter & Sons Co Fort Wayne Ind

SOLIDEX wall finish: Pratt & Lambert Inc Buffalo 7 N Y

SOLRITE boiler compound: Sullivan Co Memphis 2 Tenn

SONOMEND floor patching & resurfacing compound: L Sonneborn Sons Inc 88 Lexington Av New York 16 N Y

SONOSHEEN wax polish: L Sonneborn Sons Inc 88 Lexington Av New York 16 N Y

SOTE asbestos cement board: Homasote Co Trenton 3 N J

SOUNDBILT Douglas fir plywood: Puget Sound Plywood Inc Tacoma 2 Wash

SOUTHERN BRAND lumber products, trim, mouldings, lumber, flooring: Southern Lumber Co Warren Ark

SOUTHERNER bathroom cabinets: Porcelain Metals Corp Inc Louisville 10 Ky

SOUTHWESTERN creosoted lumber, fence posts, poles, piles, cross ties: Southwestern Cresoting Co Muskogee Okla

SPACE GAINERS, SAVERS store fixture hardware: Reflector Hardware Corp Western Av & 22nd Pl Chicago 8 Ill

SPACEMASTER portable elevators: Lewis-Shepard Products Inc Boston 72 Mass

SPARTAN braided sash cord: Mallison Braided Cord Co Div of Wehadkee Yarn Mills West Point Ga

SPARTAN fans, ventilators: Spartan Electric Co Rochester 2 N Y

SPARTAN leather belting: Graton & Knight Co Worcester 4 Mass

SPECIAL PLANER center stock planer belts: Chicago Belting Co 121 N Green Chicago Ill

SPECIAL PLANER leather belting: Webb Belting Co Kansas City 7 Mo

SPECIFICATION built-up roofing, pitch, tar saturated felt: Barrett Div Allied Chemical & Dye Corp 40 Rector St New York 6 N Y

SPEED ALUMINUM paint, **SPEED-TONE** paint; **SPEED SPAR** varnish & stain: 20 Century Paint & Varnish Co 30 Roebling St Brooklyn 11 N Y

SPEED EASY wall finish: E I DuPont de Nemours & Co Wilmington 98 Del

SPEED-WALL paint: Glidden Co Cleveland 2 Ohio

SPEEDLIFT lift trucks: Lewis-Shepard Products Inc Boston 82 Mass

SPEEDMASTER portable elevators (stackers): Lewis-Shepard Products Inc Boston 72 Mass

SPEEDMATIC electric portable saws, floor sanders: Porter Cable Machine Co Syracuse 8 N Y

SPIROLOCS form ties: Universal Form Clamp Co 1238 N Kostner Av Chicago 51 Ill

SPOKANE PINE PRECISION PRODUCTS K-D frames & lbr items: Spokane Pine Products Co Spokane Wash

SPRAY-DAY-LITE interior mill white: Glidden Co Cleveland 2 Ohio

SPOT sash cord: Samson Cordage Works Boston 10 Mass

SPRAY MIX coating refractory: Mexico Refractories Co Mexico Mo

SPRAYIT paint sprayers, air compressors, spray guns, air tools: Electric Sprayit Co Sheboygan Wis

SPRAYSHEEN floor cleaner: Pioneer Mfg Co Cleveland 4 Ohio

SPRED paint: Glidden Co Cleveland 2 O

SPREDLITE white enamel: Phelan-Faust Paint Mfg Co St Louis 11 Mo

SPUR-GEARED electric hoists: Wright Mfg Div American Chain & Cable Co York Pa

SQUARE DEAL farm & poultry fence: Keystone Steel & Wire Co Peoria 7 Ill

STA-BLAC enamel: Pratt & Lambert Inc Buffalo 7 N Y

STA-SET brushes: Devoe & Raynolds Co Inc 787 First Av New York 17 N Y
STA-WARM glue pots, tanks: Sta-Warm Electric Co Ravenna Ohio
STA-ZIT glue sizing: Commercial Paste Co Columbus 8 Ohio
STAINCURE sealer for bleeding stains: Wilbur & Williams Co Boston 16 Mass
STAINTOX wood preservative: Abesto Mfg Co Michigan City Ind
STALWART roofing: The Flintkote Co 200 E 42nd St New York 17 N Y
STAMINITE acid-proof cement, vitrified clay culvert pipe: Robinson Clay Product Co Akron 8 Ohio
STANDARD cabinet hardware: American Cabinet Hardware Corp Rockford Ill
STANDARD hickory handles: Marion Handle Mills Inc Marion Va
STANDARD roof coatings: Certain-teed Products Corp 120 S LaSalle St Chicago 3 Ill
STANDARD grinders, buffing & polishing machines, speed lathes: Standard Electrical Tool Co Cincinnati 4 O
STANDARD conveyors: Standard Conveyor Co North St Paul Minn
STANDARD furnaces: Williamson Heater Co Cincinnati 9 Ohio
STANDARD store front metals & doors: The Kawneer Co Niles Mich
STANDARD tarpaulins: Clifton Mfg Co Waco Texas
STANDARD venetian blinds: Consolidated Venetian Blind Co Houston 8 Tex
STANTEX mildewproof & water repellant canvas: William W Stanley Co 401 Broadway New York 13 N Y
STANZOILS Neoprene gloves & aprons: Pioneer Rubber Co Willard Ohio
STAR door springs: Cleveland Lock Wks Div of Consolidated Iron-Steel Mfg Co Cleveland 14 Ohio
STAR fasteners: Star Paper Fastener Co Norwalk Conn
STAR sash pulleys: Grant Pulley & Hardware Co 33-36 57th St Woodside N Y
STAR saw sets: Henry Disston & Sons Inc Tacony Philadelphia 35 Pa
STAR BRAND insect wire screening, screen paint: Hanover Wire Cloth Co Hanover Pa
STAR DUST for cement floor toppings, stucco, plaster etc: Sullivan Co Memphis 2 Tenn
STAR OF BETHLEHEM hickory tool handles: L W Strock & Co Bethlehem Pa
STAREX asphalt roll roofing: Ruberoid Co 500 Fifth Av New York 18 N Y
STARLINE dairy barn equipment, ventilators: Starline Inc Harvard Ill
STATIC emulsion, coating: The Flintkote Co 220 E 42nd St New York 17 N Y
STAY-WET remover: Reliable Paste Co 3560 Shields Av Chicago 9 Ill
STEADFAST roofing, roof coating: The Flintkote Co 220 E 42nd St New York N Y
STEAM-PAK steam generators: York-Shipley Inc York Pa
STEEL-FORGED casters: Rapids-Standard Co Grand Rapids 2 Mich
STEEL-TRUSS ladders: J R Clark Co Minneapolis 5 Minn
STEELBRACED ladders: Howard Mfg Co Kent Wash
STEELCOTE house paint primer, paints, enamel, wall finishes, flatting oil, sealers, varnishes, stains, caulk, putty, paint & varnish remover, waterproofing materials: Steelcote Mfg Co St Louis 3 Mo
STERBON, STERFAST grinding wheels: Sterling Grinding Wheel Div of The Cleveland Quarries Co Tiffin Ohio
STERLING crane or dredge chain: Cleveland Chain & Mfg Co Cleveland 5 Ohio
STERLING gummed tape: Gummed Products Co Troy Ohio
STERLING surveyors transits, levels: Warren-Knight Co Philadelphia 7 Pa
STERLING QUALITY paint, putty etc: Sterling Paint & Varnish Co Malden 48 Mass
STERLITH grinding wheels: Sterling Grinding Wheel Div of The Cleveland Quarries Co Tiffin Ohio
STERMOUNT grinding wheels: Sterling Grinding Wheel Div of The Cleveland Quarries Co Tiffin Ohio
STEVEDORE JR portable belt conveyor: Rapids-Standard Co Grand Rapids 2 Mich
STEVENS WYTEFACE steel, diameter (tree) tapes: Keuffel & Esser Co Hoboken N J
STONHARD CONCRETE SURFACE TREATMENT, CONCRETITE, LIQUID & PLASTIC ROOF RESURFACERS, RESURFACER, STONPACH, STONTITE, WOOD FLOOR PRESERVATIVE wall, floor, roofing materials for concrete, masonry, wood: Stonhard Co Philadelphia 8 Pa
STONEWALL bldg board: The Ruberoid Co 500 Fifth Av New York 18 N Y
STORM KING axes: Fayette R Plumb Inc Philadelphia 37 Pa
STORMSEAL sheet roofing: American Steel & Wire Co Cleveland 13 Ohio
STORMTIGHT roof coating: L Sonneborn Sons Inc 88 Lexington Av New York 16 N Y
STORMY WEATHER water & mildew repellent for canvas: Protection Products Mfg Co Kalamazoo Mich
STRAIGHT-LINE hdwd flg: Bradley Lbr Co of Arkansas Warren Ark
STRAND-BUILT garage doors: Strand Bldg Products Co Detroit 26 Mich
STRATOLINE cabinet hardware: American Cabinet Hardware Corp Rockford Ill
STRAN-STEEL steel framing: Great Lakes Steel Corp Stran-Steel Div Detroit 26 Mich
STREAMLINE floors: E L Bruce Co Memphis Tenn
STREAMLINE TYLAC horizontal scored board: Tylac Co Monticello Ill
STREAMLUX cabinet hardware: American Cabinet Hardware Corp Rockford Ill
STREICH lumber buggies, lumber & hand carts, lumber trailers, lumber wagons, timber skidders, platform trucks A Streich & Bros Co Oshkosh Wis
STRONGER BRAND cotton work gloves: Marso & Rodenborn Mfg Co Fort Dodge Iowa
STRONGHOLD bolts & nuts: Manufacturers Screw Products 222 W Hubbard St Chicago 10 Ill
STRONGHOLD leather belting: J E Rhoads & Son Philadelphia 6 Pa
STRONGHOLD nails: Independent Nail & Packing Co Bridgewater Mass
STRONGMAN clothes dryers: Southern Galvanizing Co Baltimore 30 Md
STRYPEEZE paint remover: Savogran Co India Wharf Boston 10 Mass
STURDYBILT prefabricated demountable houses: Southern Mill & Mfg Co Tulsa 1 Okla
STYLE "A" ROOFING: The Flintkote Co 220 E 42nd St. New York 17 N Y
SUBSTANTIAL roofing: The Flintkote Co 220 E 42nd St New York 17 N Y
SUDDEN DEPTH masonry rotary drills: Paine Co 2951 Carroll Av Chicago 12 Ill
SULCO caulking & glazing compound: paints, stains, enamels etc, mortar colors, wax, wood cement etc; **SULCO IRONIZED, POZZUOLANIC CEMENT MIXING POWDER** concrete & metallic waterproofing: Sullivan Co Memphis 2 Tenn
SUN-RAY steel wool: Williams Co London Ohio
SUN-TEX glass substitute: Allen Bros Inc Omaha Neb
SUNFED plastic glazing: The Dobeckmun Co Cleveland 1 Ohio
SUNAFLEX, SUNAWAY venetian blinds: Crawford-Austin Mfg Co Waco Tex
SUNFLEX paint: National Gypsum Co Buffalo 2 N Y
SUNFLOWER plasters: Certain-teed Products Corp 120 S LaSalle St Chicago 3 Ill
SUNNY paint: Reliable Paste Co 3560 Shields Av Chicago 9 Ill
SUNNY SOUTH wood turpentine: Southern Pine Chemical Co Div of The Glidden Co Jacksonville Fla
SUNPROOF paint: Pittsburgh Plate Glass Co Pittsburgh 19 Pa
SUNSHADE venetian blinds: W E Hettrick & Son Co Toledo 1 Ohio
SUPER DUTY enamel, varnish stains: R F Johnston Paint Co Cincinnati 12 Ohio
SUPER DUTY CROWN high temperature bonding mortars; **PATCHTITE** firebrick plastic: Robinson Clay Product Co Akron 8 Ohio
SUPER-EX corner bead: Milcor Steel Co Milwaukee 4 Wis
SUPER HARBORD weatherproof plywood: Harbor Plywood Corp Hoquiam Wash
SUPER HIDING paint: U S Gutta Percha Paint Co Dept 19 Dudley & Eddy Sts Providence 1 R I
SUPER-ROOTER for breaking up cemented gravel: Isaacson Iron Works Seattle 14 Wash
SUPER-SHEEN aluminum enamel: Foy Paint Co Cincinnati 12 Ohio
SUPER SPEED glazing compound: The Biddle Co St Louis 2 Mo
SUPER-STEEL high test chain: Cleveland Chain & Mfg Co Cleveland 5 O
SUPER-STEEL furnaces: Williamson Heater Co Cincinnati 9 Ohio
SUPER THERMO STUCCO repair fire clay: Chicago Fire Brick Co 1461 N Elston Av Chicago 22 Ill
SUPER-STIK friction tape: Superior Insulating Tape Co St Louis 15 Mo
SUPER WHITE enamels: Martin Varnish Co 900 W 49th Pl Chicago 9 Ill
SUPERCEDAR closet lining lbr: Geo C Brown & Co Greensboro N C
SUPERFAST WOOD JOINERS for joining wood: Superior Fastener Corp 2949 N Elston Av Chicago 18 Ill
SUPERGIANT shingle: The Flintkote Co 220 E 42nd St New York 17 N Y
SUPERKLEEN: Devoe & Raynolds Co 787 First Av New York 17 N Y
SUPERROOFER shingle: The Flintkote Co 220 E 42nd St New York 17 N Y
SUPERSATURATED shingle: The Flintkote Co 220 E 42nd St New York 17 N Y
SUPERIOR blow torches etc: P Wall Mfg Supply Co Grove City Pa
SUPERIOR cotton cord: Turner & Stanton Co Norwich Conn
SUPERIOR masons & agricultural lime: National Mortar & Supply Co Pittsburgh Pa
SUPERIOR mouldings, metal stair nosing, thresholds, treads, extruded aluminum & plastic trim shapes: Youngstown Mfg Inc Youngstown 6 Ohio
SUPERIOR ASH DUMPS, CLEAN OUT DOORS, FORM & BLADE DAMPERS fireplace heat-control: Superior Fireplace Co Los Angeles 21 Cal
FIREPLACE HEATFORM
SUPERIOR FIREPLACE HEAT UNITS: Sealcon Products Inc Minneapolis 2 Minn
SUPERIOR UNIT WOOD WINDOWS: Carr Adams & Collier Co Dubuque Iowa
SUPREME paint, enamel, varnish: 20th Century Paint & Varnish Co 30 Roebling St Brooklyn 11 N Y
SUPREME roofing: The Flintkote Co 220 E 42nd St New York 17 N Y
SUPREME steel wool: Brillo Mfg Co 60 John St Brooklyn 1 N Y
SUPREME window frame: The Malta Mfg Co Malta Ohio
SUREGRIP nail pullers: Bridgeport Hardware Mfg Corp Bridgeport 5 Conn
SURETY BOND house paint: R F Johnston Paint Co Cincinnati 12 Ohio
SUWANEE cross-cut saws: Henry Disston & Sons Tacony Philadelphia 35 Pa
SWANEE-LAC lacquer: R F Johnston Paint Co Cincinnati 12 Ohio
SWEET HOME BRAND fir plywood: Am-Mex Sales Co 28 Church St Buffalo 2 N Y
T-F BRAND red cedar shingles: Thurston-Flavelle Ltd Port Moody B C Can
T/S RAWLDRILLS masonry drills: Rawlplug Co 96 Lafayette St New York 13 N Y
TABASCO water heaters: Kewanee Boiler Corp Kewanee Ill
TAG Heppenstall indicating, recording & controlling instruments; moisture content indicators; dry kiln control valves: Portable Products Corp C J Tagliabue Div 550 Park Av Brooklyn 5 N Y
TAINTOR saw sets: John H Graham & Co 105 Duane New York 8 N Y
TAKE-ABOUT hand sanders: Porter Cable Machine Co Syracuse 8 N Y
TAKEHOLD primer & filler: R F Johnston Paint Co Cincinnati 12 Ohio
TAN-KOTE rubber belting: Webb Belting Co Kansas City 7 Mo
TANCO sound deadener: Thompson & Co Oakmont Pa
TANNATE leather belting, packings, preserver, belt lacing: J E Rhoads & Son Philadelphia 6 Pa
TASCO cotton cord: Turner & Stanton Co Norwich Conn
TAVART overhead garage door hardware: Tavart Co Ltd Los Angeles 13 Cal

TITANLZINC paint: Blue Ridge Tale Co Henry Va

TAYCO conveyor, logging & loading chain: S G Taylor Chain Co Hammond Ind

TAYLOR stokers: American Engineering Co Philadelphia 25 Pa

TAYLOR indicating & recording controllers & instruments: Taylor Instrument Co Rochester 1 N Y

TAILORED HOMES plan book: H P Jones 486 AL Brandeis Th Bldg Omaha 2 Neb

TAPERED shingle: The Flintkote Co 220 E 42nd St New York 17 N Y

TAYLOR-MADE, TAYLOR MESABA conveyor, logging & loading chain; chaindogs: S G Taylor Chain Co Hammond Ind

TE-CO rubber transmission & conveyor belting: Teuscher Pulley & Belting Co St Louis 2 Mo

TECO timber connectors, grooving tools, termite shields, slope of grain detector, post spindles, trip-L-grip framing anchors: Timber Engineering Co 1319 Eighteenth N W Washington 6 D C

TEGCO glass & metal door & cabinet knobs, hardware, door hatches, tubular locks & latches, glass push plates: Technical Glass Co Los Angeles 11 Cal

TEGO phenolic film plywood adhesive: Resinous Products & Chemical Co Philadelphia 5 Pa

TEKWOOD paper faced plywood: United States Plywood Corp 55 W 44th St New York 18 N Y

TEMPACRETE concrete floor hardener: Fort Pitt Chemical Co Pittsburgh 22 Pa

TEN-TEN hangers & track: Allith-Prouty Inc Danville Ill

TENNESSEE VALLEY TOP LINE electric water heaters, irons, churns, fans: Tennessee Valley Associates Inc Nashville 3 Tenn

TEPCO table tops, drainboards, advertising signs, architectural porcelain, fluorescent reflectors: Enamel Products Co Cleveland 8 Ohio

TERMINIX termite control: E L Bruce Co Memphis 1 Tenn

TERRATOX termite control: Wood Treating Chemicals Co St Louis 10 Mo

TERRIER BRAND leather belting: Victor R Clark Belting Co 605 W Washington Blvd Chicago 6 Ill

TEX-TAB asphalt shingles: Ruberoid Co 500 Fifth Av New York 18 N Y

TEXACO shingles & roofing, roofing asphalt: The Texas Co Roofing Sales Div 135 E 42nd St New York 17 N Y

TEXOLITE paints, primer, spackling putty: United States Gypsum Co 300 W Adams St Chicago 6 Ill

TEXTAN BRAND chamois: H L Ettman Sponge Co St Lous 3 Mo

THARCO furnace cement, putties: Armstrong Co Detroit 17 Mich

THATCH shingle: The Flintkote Co 220 E 42nd St New York 17 N Y

THERMAL-GUARD automatic door bottom, weatherstrip: Thermal Co Philadelphia 19 Pa

THERMOBRIC insulated sidings: Globe Roofing Products Co Whiting Ind

THERMOCRETE dry fill insulation: Certain-teed Products Corp 120 S La Salle St Chicago 3 Ill

THERMOIL-GRANODINE rust resistant: American Chemical Paint Co Ambler Pa

THERMOLIER unit heaters: Grinnel Co Providence R I

THERMOPANE insulating glass unit: Libbey-Owens-Ford Glass Co Toledo 3 Ohio

THERMOSEAL insulating felt: The Flintkote Co 220 E 42nd St New York 17 N Y

THICK-BUTT asphalt shingle: Ford Roofing Products Co 111 W Washington St Chicago 2 Ill

THOR firebrick: Mexico Refractories Co Mexico Mo

THOR portable pneumatic & electric tools: Independent Pneumatic Tool Co 800 W Jackson Blvd Chicago 6 Ill

THORNTON 4-REAR-WHEEL DRIVE: Thornton Tandem Co Detroit 13 Mich

THOROBRED tires: Dayton Rubber Mfg Co Dayton 1 Ohio

3-IN-ONE lubricating, cleaning, polishing, rust & tarnish preventing oil: Boyle-Midway Inc Jersey City 2 N J

THRIF-T WINDOW AND DOOR TRIM: Roach & Musser Co Muscatine Iowa

THRIFT house paint: R F Johnston Paint Co Cincinnati 12 Ohio

THRIFTEE steel cabinets: Acme Metal Products Corp Blue Island Ill

TI WHITE semi paste white: Seidlitz Paint & Varnish Co Kansas City 10 Mo

TIGER limes: Kelley Island Lime & Transport Co Cleveland 14 Ohio

TIGER leather belting: Chas A Schieren Co 30-38 Ferry St New York 7 N Y

TIGER AMBERLITE screw drivers: Bridgeport Hardware Mfg Corp Bridgeport 5 Conn

TIGER BRAND paints, varnishes, enamels: W W Lawrence & Co Pittsburgh 19 Pa

TIGER BRAND wire rope: American Steel & Wire Co Cleveland 13 Ohio

TIGERGRIP glues: Consumers Glue Co St Louis 6 Mo

TILEZE XX floor cleaner: U S Sanitary Specialties Corp 435 S Western Av Chicago 12 Ill

TIMBERGRAIN asphalt shingles: Ruberoid Co 500 Fifth Av New York 18 N Y

TIMBERIB barn rafters: Timber Structures Inc Portland 8 Ore

TIMBERTEX asbestos-cement siding: Ruberoid Co 500 Fifth New York 18 N Y

TIMBERTOX lumber treating, wood preservative, shingle & wood stain: Wood Treating Chemicals Co St Louis 10 Mo

TIMBERTREAT lumber treating, wood preservative: Wood Treating Chemicals Co St Louis 10 Mo

TIP TOP WYTEFACE steep tapes: Keuffel & Esser Co Hoboken N J

TITAN BRAND rubber belting: Victor R Clark Belting Co 605 W Washington Blvd Chicago 6 Ill

TITAN-O-ZINC white paste paint: Glidden Co Cleveland 2 Ohio

TITAN TIMBER SAWS: Mill & Mine Supply Co Seattle 4 Wash

TITE-ON asphalt shingles: Ruberoid Co 500 Fifth Av New York 18 N Y

TITE-ROPE clothes line: Samson Cordage Works Boston 10 Mass

TOMB deadening flet: Barrett Div Allied Chemical & Dye Corp 40 Rector St New York 6 N Y

TONKA paints, enamels: Forman Ford & Co Minneapolis 1 Minn

TOOLHOLDERS drill holders: Rawlplug Co 96 Lafayette St New York 13 N Y

TOP-COTE floor resurfacer: Sullivan Co Memphis 2 Tenn

TOP-FLITE rubber belting: Webb Belting Co Kansas City 7 Mo

TOPCO window frame: The Malta Mfg Co Malta Ohio

TOPPER ceiling coater: U S Kalsomine Co 50 Church St New York 7 N Y

TOPPER PRODUCTS tables, furniture novelties: Bridge Tables & Novelties Inc Lowell Mass

TOTALUME rust inhibitive aluminum paint: Wilbur & Williams Co Boston 16 Mass

TOTEM claw hammers, hatchets, axes: Marion Tool Corp Marion Ind

TOTRUST rust inhibitive paint & enamels, primer surfacer: Wilbur & Williams Co Boston 16 Mass

TOWER belting, air compressor, industrial hose: Republic Rubber Div Lee Rubber & Tire Corp Youngstown 1 O

TOWER BRAND chamois: Schroeder & Tremayne Inc St Louis 3 Mo

TOX-EOL termite chemicals: Cre-O-Tox Chemical Products Co Memphis 12 Tenn

TOXOL insecticides, weed eradicators: The Glidden Co Cleveland 2 Ohio

TRAC-DOZER tractor mounted dozer for dirt moving: Isaacson Iron Works Seattle 14 Wash

TRAKLOADER tractor-type log loading & hoisting machine: Washington Iron Works Seattle 4 Wash

TRANSOTE wood preservative: Republic Creosoting Co Indianapolis 4 Ind

TREMFLEX for painting metal even when rusted: Tremco Mfg Co Cleveland 4 Ohio

TREMLUX enamel: Tremco Mfg Co Cleveland 4 Ohio

TRI-PHENOL toxic preservative: Protection Products Mfg Co Kalamazoo Mich

TRI-TAB HEX asphalt shingle: Bird & Son Inc East Walpole Mass

TRIBLOC chain hoists: Ford Chain Block Div American Chain & Cable Co Philadelphia 25 Pa

TRICOSEAL waterproofing compound: American Fluresit Co Cincinnati 29 O

TRIDENT water meter: Neptune Meter Co 50 W 50th St New York 20 N Y

TRIDENT steel loading, skidding, decking chain: Newhall Chain Forge & Iron Co 48 W Broadway New York 7 N Y

TRIPL-IFE furnaces: Williamson Heater Co Cincinnati 9 Ohio

TRIPLE-WALL wood silo: Craine Inc Norwich N Y

TRIPLETAB shingles: The Flintkote Co 220 E 42nd St New York 17 N Y

TRIPLEX glue pots: Sta-Warm Electric Co Ravenna Ohio

TRIPLEX spring hinges: Chicago Spring Hinge Co 1500 Carroll Av Chicago 7 Ill

TRIUMPH braided sash cord: Mallison Braided Cord Co A Div of Wehadkee Yarn Mills West Point Ga

TRIUMPH saw sets: Henry Disston & Sons Tacony Philadelphia 35 Pa

TROJAN special locks: J Chesler & Sons 41 Varick Av Brooklyn 6 N Y

TROJAN gummed tape: Gummed Products Co Troy Ohio

TROJAN BLU-KORE gummed cloth tape: Gummed Products Co Troy Ohio

TRU-BILT EXTERIOR plywood: West Coast Plywood Co Aberdeen Wash

TRU-EDGE full size patterns: Easi Bild Pattern Co Pleasantville N Y

TRU-LAY PREFORMED wire rope: American Cable Div American Chain & Cable Co Wilkes-Barre, Pa

TRU-SIZED doors, door jambs: The Wheeler Osgood Co Tacoma 1 Wash

TRUENESS house paint: Foy Paint Co Cincinnati 12 Ohio

TUCKER 'WAY folding chairs: Tucker Duck & Rubber Co Fort Smith Ark

TUDUCO tents, tarpaulins: Tucker Duck & Rubber Co Fort Smith Ark

TUF-FLEX glass for glass doors: Libbey-Owens-Ford Glass Co Toledo 3 O

TUFCAST moulding, casting plaster: Certain-teed Products Corp 120 S La-Salle St Chicago 3 Ill

TUFCOTE barn & roof paints: E I Du-Pont de Nemours & Co Wilmington 98 Del

TULOX tubing: Extruded Plastics Inc Norwalk Conn

TWISTYES form ties: Universal Form Clamp Co 1238 N Kostner Av Chicago 51 Ill

TWODRAIN CHANNEL roofing: Milcor Steel Co Milwaukee 4 Wis

TYL-LYKE steel roofing & siding: Continental Steel Corp Kokomo Ind

TYLAC tile design board, adhesive cement & wax polish for tile board, metal mouldings: Tylac Co Monticello Ill

TYLITE panel wall boards: Tylac Co Monticello Ill

U-G-L GILSONITE black gloss, stove-liner, furnace cement: United Gilsonite Laboratories Scranton 1 Pa

U-KAL-O calcimine: U S Kalsomine Co 50 Church St New York 7 N Y

USG lime, roof decks, asphalt roofing, texture paint: United States Gypsum Co 300 W Adams St Chicago 6 Ill

U S K PATCHING PLASTER, WASHABLE casein dry powder paint: U S Kalsomine Co 50 Church St New York 7 N Y

U S ROYAL: United States Rubber Co 1230 6th Av New York 20 N Y

U-DO-IT graining compound: R F Johnston Paint Co Cincinnati 12 Ohio

U S Poultry netting: Indiana Steel & Wire Co Muncie Ind

U S S AMERICAN FENCE: American Steel & Wire Co Cleveland 13 Ohio; Columbia Steel Co San Francisco Cal; Tennessee Coal Iron & RR Co Birmingham Ala

U S S steel roofing & siding: Columbia Steel Co San Francisco 6 Cal

UFORMITE urea formaldehyde resins for hot pressing & cold bonding: Resinous Products & Chemical Co Philadelphia 5 Pa

UNBREAKABLE nail pullers: Bridgeport Hardware Mfg Corp Bridgeport 5 Conn

UNDERSEAL paint primer: Seidlitz Paint & Varnish Co Kansas City 10 Mo

UNI-BILT KITCHENS: St Charles Mfg Co St Charles Ill

UNI-FORM unit wall forms prefabricated: Universal Form Clamp Co 1238 N Kostner Av Chicago 51 Ill

UNI-POINT radial saw: American Saw Mill Machinery Co Hackettstown N J

UNI-ROL overhead garage doors: Farley & Loetscher Mfg Co Dubuque Iowa

UNIFLEX adjustable steel shelving: Universal Steel Equipment Corp 135 W 23rd New York N Y

UNIPAK wood casements: Farley & Loetscher Mfg Co Dubuque Iowa

UNITHERM unit heaters: Clarage Fan Co Kalamazoo 16 Mich

UNIVERSAL electric home appliances, heaters, vacuum specialties, electric ranges, hardware: Landers Frary & Clark New Britain Conn

UNIVERSAL electric lighting plants: Universal Motor Co Oshkosh Wis

UNIVERSAL Portland cement: Universal Atlas Cement Co 135 E 42nd St New York 17 N Y

UNIVERSAL shingles: Certain-teed Products Corp 120 S LaSalle St Chicago 3 Ill

UNIVERSAL smooth surface roofing: Bird & Son Inc East Walpole Mass

UNIVERSAL spring door hinges: Milwaukee Stamping Co Milwaukee 14 Wis

UPSON DUBL-THIK FIBRE TILE for baths & Kitchens; **UPSON KUVER-KRAK PANELS** fibre board for recovering cracked plaster ceilings, **UPSON STRONGBILT PANELS** fibre board for new home construction, walls, ceilings, interiors: The Upson Co Lockport N Y

URAC resin adhesive, resins: Plastics Div American Cyanamid Co 30 Rockefeller Plaza New York 20 N Y

U S S AMERICAN fence, **BLUE BONNET** bale ties, **PEARSON COATED** nails, **TENNESSEE** nails, **TENNESEAL V-DRAIN** roofing: Tennessee Coal, Iron & R R Co Birmingham 2 Ala

UTIL-A-TOOL maintenance sets: Templeton Kenly & Co 1020 S Central Av Chicago 44 Ill

V B vapor barrier rock wool: Barrett Div Allied Chemical & Dye Corp 40 Rector St New York 6 N Y

V BRAND sisal rope: Hooven & Allison Co Xenia Ohio

VALSPAR paints, varnishes, lacquers, enamels: Valentine & Co 11 E 36th St New York 16 N Y

VALUBILT venetian blinds: Clifton Mfg Co Waco Texas

VALUFLEX venetian blinds: Clifton Mfg Co Waco Texas

VAN BRITE floor wax: Adco Inc Sedalia Mo

VAPOCARB-HUMP furnaces: Leeds & Northrup Co Philadelphia 44 Pa

VAR-LIN linoleum varnish: Foy Paint Co Cincinnati 12 Ohio

VARNIGO paint & varnish remover: Boyle-Midway Inc Jersey City 2 N J

VARNISEPTIC floor seal & finish: U S Sanitary Specialties Corp 435 S Western Av Chicago 12 Ill

VEELOS V-belt: Manheim Mfg & Belting Co Manheim Pa

VEL-VE-TONE paint: Globe Paint Works Williamsport 5 Pa

VASDA paint: R F Johnston Paint Co Cincinnati 12 Ohio

VEL VENEER paint: Jewel Paint & Varnish Co 345 N Western Av Chicago 12 Ill

VELLO wall finish: Monsanto Chemical Co St Louis 4 Mo

VELON plastic screen wire: Firestone Industrial Products Co Akron 17 Ohio

VELOUR FINISH: Devoe & Raynolds Co Inc 787 First Av New York 17 N Y

VELURE enamel: Jewel Paint & Varnish Co 345 N Western Av Chicago 12 Ill

VELUX enamel: Jewel Paint & Varnish Co 345 N Western Av Chicago 12 Ill

VELVA-GLOSS paint, **VELVA-SEAL** wall sealer, **VELVATONE** paint: Foy Paint Co Cincinnati 12 Ohio

VELVETEX finish, sealer, stain: Sullivan Co Memphis 2 Tenn

VELVETEX wall panels: Marsh Wall Products Inc Dover Ohio

VENETIAN paint: Foy Paint Co Cincinnati 12 O

VENOSTONE primer: Reardon Co St Louis 6 Mo

VENTI/KLEEN pivoted wood windows: Baer-American Window Co Venti-Kleen Window Div 502 Erie Bldg Cleveland 15 Ohio

VENTI/SCREEN roll outside plastic & metal window screens: Baer-American Window Co Venti/Kleen Window Div 502 Erie Bldg Cleveland 15 Ohio

VERCOUSTIC acoustical plastic: B F Nelson Mfg Co Minneapolis 13 Minn

VERDURA trim & shutter finish: Pratt & Lambert Inc Buffalo 7 N Y

VERIBRITE sinks, store fronts, table tops: General Porcelain Enameling & Mfg Co 2700 N Karlov Av Chicago 39 Ill

VERMICULITE insulation: Mission Lime Products Corp Los Angeles 12 Cal

VI-VA aluminum enamel: R F Johnston Paint Co Cincinnati 12 Ohio

VICTOR canvas products: William W Stanley Co 401 Broadway New York 13 N Y

VICTOR sliding stairs: Farley & Loetscher Mfg Co Dubuque Iowa

VICTORIA venetian blinds: Bostwick-Goodell Co Norwalk Ohio

VICTORY hand saw: Henry Disston & Sons Inc Tacony Philadelphia 35 Pa

VICTORY POINTS mounted wheels with demountable spindles: Simonds Abrasive Co Philadelphia 37 Pa

VIKING firebrick: Mexico Refractories Co Mexico Mo

VINCENT grinding wheel dressers: Vincent Steel Process Co Detroit 7 Mich

VINDEX grinders, knife sharpeners, vises: National Sewing Machine Co Belvidere Ill

VINTEX paint: Reardon Co St Louis 6 Mo

VIO-RAY window fabric: E I DuPont de Nemours & Co Wilmington 98 Del

VIRGINIAN cross-cut saws: Henry Disston & Sons Tacony Philadelphia 35 Pa

VIRGINIAN hickory handles: Marion Handle Mills Inc Marion Va

VISKOTE coating: The Fintkote Co 220 E 42nd St New York 17 N Y

VITA-COL: Vita-Var Corp Newark N J

VITA-LUX (Reg U S Pat Off) enamel: Vita-Var Corp Newark N J

VITA-VAR Vita-Var Corp Newark N J

VITREO porcelain enameled table tops, parts made to order: Vitreous Steel Products Co Cleveland 5 Ohio

VITREON vitrified clay pipe: Robinson Clay Product Co Akron 8 Ohio

VITROLINER chimney liners, breeching pipe, metal flues: Condensation Engineering Corp 122 S Michigan Av Chicago 3 Ill

VITROLITE colored structural glass: Libbey-Owens-Ford Glass Co Toledo 3 Ohio

VOGUE venetian blinds: Forman Ford & Co Minneapolis 1 Minn

VUDOR porch shades: Hough Shade Corp Janesville Wis

VULC-ALLOY steel chain: Cleveland Chain & Mfg Co Cleveland 5 Ohio

VULCAN metal sash putty: Allen Putty Products Co 340 N Ashland Chicago Ill

VULCAN-DENVER hoists: Vulcan Iron Works Co Denver 2 Colo

VULCANITE asphalt shingles & sidings, roofings, felts, bldg & insulating papers, roof coatings & cements: Certain-teed Products Corp 120 S LaSalle St Chicago 3 Ill

W W CO firebrick, fire clay: Robinson Clay Product Co Akron 8 Ohio

WADDINGTON CRESCENT WOOD TRUSSES: American Roof Truss Co 6848 Stony Island Av Chicago 49 Ill

WAGNER motors: Wagner Electric Corp St Louis 14 Mo

WAKCO weight slide rule: Warren-Knight Co Philadelphia 7 Pa

WALKOVER roll roofing: Barrett Div Allied Chemical & Dye Corp 40 Rector St New York 6 N Y

WALLHIDE interior wall paint: Pittsburgh Plate Glass Co Pittsburgh 19 Pa

WALLRITE decorated bldg & sheathing papers: Fleming & Sons Inc Dallas 1 Tex

WALLSHEEN washable flat finish: Breinig Bros Hoboken N J

WALL-TEX washable wall canvas: Columbus Coated Fabrics Corp Columbus 16 Ohio

WALSCO padlocks: Waterbury Lock & Specialty Co Milford Conn

WALSH plastic firebrick, castable refractory (Walsh Plastic Furnace Lining, Walsh "Super" Plastic Furnace Lining, Walsh K-11 Plastic, Walsh Hearth & Baffle Mix) Walsh Refractories Corp St Louis 7 Mo

WALVET wallpaper cleaner: Cleveland Cleaner & Paste Co Cleveland 2 Ohio

WAMPUM calking compounds, roof cement: Lastik Products Co Pittsburgh 22 Pa

WARCO firebrick: Walsh Refractories Corp St Louis 7 Mo

WARD ZEPHYR fans: Edgar T Ward Co 7777 W Lake St River Forest Ill

THE WAREHOUSER floor truck: Rapids-Standard Co Grand Rapids 2 Mich

WARM-AIRE fireplace units: Bennett-Ireland Norwich N Y

WARWICK conveyor, log-haul-up, bull, log turn, sling, rudder or steering gear, log skidding chains: Newhall Chain Forge & Iron Co 48 W Broadway New York 7 N Y

WASCO copper-fabric flashing: Wasco Flashing Co Cambridge Mass

WASHINGTON cranes, Diesels, hoists, logging blocks, yarders: Washington Iron Works Seattle 4 Wash

WASHINGTON gas & electric ranges; **WASHINGTON FROGIL** oil heaters, gas ranges: Gray & Dudley Co Nashville 3 Tenn

WATERDYKE roofing: Bird & Son Inc East Walpole Mass

WATERSPAR enamel: Pittsburgh Plate Glass Co Pittsburgh 19 Pa

WATERTITE paints, enamels, varnishes, roof coatings: Black Diamond Paint & Varnish Works Cincinnati 2 Ohio

WATT SAVER electric floor brooder: Brower Mfg Co Quincy Ill

WAUKEGAN barbed wire: American Steel & Wire Co Cleveland 13 Ohio

WAXTIC belt dressing: Norton Belting Co Wellesley Hills Mass

WEARETTE varnish: Glidden Co Cleveland 2 Ohio

WEARPROOF roofing: The Flintkote Co 220 E 42nd St New York 17 N Y

WEATHER-VANE screen & storm sash windows & doors: Northern Wood Products Co 2100 Penobscot Bldg Detroit 26 Mich

WEATHERBEST stained red cedar shingles, double wall mercurys, shingle stains: Weatherbest Corp North Tonawanda N Y

WEATHER-SEALED roofing: The Flintkote Co 220 E 42nd St New York 17 N Y

WEATHERSHIELD gypsum siding: Certain-teed Products Corp 120 S La-Salle St Chicago 3 Ill

WEATHERWOOD insulating board, tile, plank, lath, sheathing: United States Gypsum Co 300 W Adams St Chicago 5 Ill

WEBTEX roof cement & coatings, acoustical & linoleum adhesives, caulking compounds, hardboard & lap cements, asphalt paints & waterproofings: W F Webster Cement Co Cambridge 41 Mass

WEDGE-LOCK shelving: Berger Mfg Div Republic Steel Corp Canton 5 O

WEDGELOCK asphalt shingles: Barrett Div Allied Chemical & Dye Corp 40 Rector St New York 6 N Y

WEED-NO-MORE chemical weed killer: Acme White Lead & Color Works Detroit 11 Mich

WELDMASTER skid platforms: Lewis-Shepard Products Inc Boston 72 Mass

WELDTEX striated plywood: United States Plywood Corp 55 W 44th St New York 18 N Y

WELDWOOD hard & softwood plywood panels, **WELDWOOD GLUE** plastic resin adhesive: United States Plywood Corp 55 W 44th St New York 18 N Y

WELLMAN pattern shop supplies, tools, machinery, special screw machine products: Wellman Products Co Cleveland 3 Ohio

WELLSVILLE DURALITE, SAVAGE firebrick: Chicago Fire Brick Co 1461 N Elston Av Chicago 22 Ill

WELSBACH water heaters: Ruud Mfg Co Pittsburgh 1 Pa

WENDELL painters tools: Wendell Mfg Co 4234 N Lincoln Av Chicago 18 Ill

WERTEX carpenter aprons, canvas, tarpaulins: Werner Canvas Products Co 607 Bergen Brooklyn 17 N Y

WESCO chains: Western Chain Products Co 1807 W Belmont Av Chicago Ill

WEST POINTER logging trailers: Pointer-Willamette Co Portland 5 Ore

WESTBOARD plywood: C-W Plywood Co 9 S Clinton St Chicago 6 Ill

WET ME WET window cleaner: B T Babbitt Inc 386 4th Av New York 16 N Y

WHALE clothes line: Samson Cordage Works Boston 10 Mass

WHALE tools: Fosberg Mfg Co Bridgeport 1 Conn

WHEEL-EZY hand truck: Rapids-Standard Co Grand Rapids 2 Mich

WHEELABRATOR airless abrasive blast cleaning equipment: American Foundry Equipment Co Mishawaka Ind

WHIRLWIND sawdust blowers: Chase Turbine Mfg Co Orange Mass

WHIRLWIND wire wheel brushes: Black & Decker Mfg Co Towson 4 Md

WHITE MAGIC enamel, paint: 20th Century Paint & Varnish Co 30 Roebling St Brooklyn 11 N Y

WHITE STRIP leather belting: Chicago Belting Co 121 N Green Chicago Ill

WHITE WOOD broom, mop, sweeper handles: Temple-White Co Diboll Tex

WHITESTONE roofing: American Asphalt Roof Corp Kansas City 3 Mo

WHIZ adhesives, rubber cement, floor & window cleaner, floor sealer, chemical pipe cleaners, floor & furniture polish, rust preventing & removing compounds, floor wax: R M Hollingshead Corp Camden N J

WICKWIRE SPENCER conveyor belting & chain, cord, fence, wire mesh & netting, nails, wire rope, screen wire, door springs, window guards etc: Wickwire Spencer Steel A Div of The Colorado Fuel & Iron Corp 500 Fifth Av New York 18 N Y

WIGWAM asphalt roll roofing: Ruberoid Co 500 Fifth Av New York 18 N Y

WILLIAMS waler supports, **SIMPLEX & VIBRA LOCK** form clamps, **SUPER-HI TENSILE** threaded tie rods, rod couplings: Williams Form Engineering Corp Grand Rapids 7 Mich

WILSON E-Z LIFT overhead garage door: Butler Products Co 1013 W Washington Blvd Chicago 7 Ill; also Wilson Foundry & Machine Co Pontiac Mich

WILSON RADIAL CUTTING MACHINE radial, mitre, cutoff, circular dado, circular saw repairs & adjustments, saw guards: Equipment Engineering Co Kansas City 2 Mo

WILWEAR bathroom fixtures: Turner & Seymour Mfg Co Torrington Conn

WIN-DOR casement window operators, hinges, automatic closers, jalousie hardware: Casement Hardware Co 404 N Wood St Chicago 22 Ill

WINCHOIST winch for mounting on tractor for ground skidding or logging arch operation: Isaacson Iron Works Seattle 14 Wash

WIND-O-SEAL DeLUXE combination storm sash & screens: Marquart Mill work Co Oshkosh Wis

WIND-O-SHIELD windows: Kuhlman Metal Weather Strip Co St Louis Mo

WINDOWALLS window units: Andersen Corp Bayport Minn

WING-FLEX weatherstrip: W J Dennis & Co 1732 N Kolmar Av Chicago 39 Ill

WINKLER stokers: U S Machine Corp Lebanon Ind

WINSLOW beam calculating rule: Warren-Knight Co Philadelphia 7 Pa

WINTITE sash locks (Reg U S Pat Off) American Cabinet Hardware Corp Rockford Ill

WISCONSIN grinding wheel dressers, grinders, grinding wheels: Wisconsin Abrasive Co Milwaukee 11 Wis

WISSCO wire clothesline: American Wire Fabrics Corp A Div of The Colorado Fuel & Iron Corp 500 Fifth Av New York 18 N Y

WITHERBY chisels: John H Graham & Co 105 Duane New York 8 N Y

WITTE Diesel & gasoline engines, log, log & tree, cut off saws: Witte Engine Works Div of Oil Well Supply Co Kansas City 3 Mo

WIZARD belt dressing: Richmond Belt Dressing Mfg Co Richmond 20 Va

WOLMANIZED pressure-treated lumber: American Lumber & Treating Co 332 S Michigan Av Chicago 4 Ill

WOLVERINE adhesives, tile cement: Youngstown Mfg Inc Youngstown 6 Ohio

WOODFIX lbr treating, wood check preservatives: Wood Treating Chemicals Co St Louis 10 Mo

WOODHEALTH toxic preservative: Protection Products Mfg Co Kalamazoo Mich

WOODLIFE water repellent: Protection Products Mfg Co Kalamazoo Mich

WOODSEAL penetrating treatment for wooden floors etc: Sullivan Co Memphis 2 Tenn

WOODTEX shingles: Certain-teed Products Corp 120 S La Salle St Chicago 3 Ill

WOODTOX, WOODTREAT lumber treating, wood & wood check preservatives: Wood Treating Chemicals Co St Louis 10 Mo

WOODYOUTH water repellent preservative; Protection Products Mfg Co Kalamazoo Mich

WOOSTER METAL MOULDINGS & TRIM; Wooster Products Inc Wooster Ohio

WRICO chain hoists: Wright Mfg Div American Chain & Cable Co York Pa

WRIGHT, WRIGHT-WAY chain hoists: Wright Mfg Div American Chain & Cable Co York Pa

WUNDA MOP HANDLES: Howard Dustless Duster Co Boston 10 Mass

WYANDOTTE CALCIUM CHLORIDE: Wyandotte Chemicals Corp Wyandotte Mich

WYANDOTTE NOXTANE lumber treating: Wyandotte Chemicals Corp Wyandotte Mich

WYR-O-GLASS window material; Flex-O-Glass Mfg Co 1104 N Cicero Av Chicago Ill

WYTEFACE steel tapes: Keuffel & Esser Co Hoboken N J

X-IT for termites & wood preservative: Sullivan Co Memphis 2 Tenn

XLO galvanized wire: Johnson Steel & Wire Co Worcester 1 Mass

X-PANDO pointing mortar for brick, stone, masonry; pipe joint, all-purpose, caulking compound; **X-PANDO-SEAL** waterproofing; **X-PANDOTITE** interior repair cement: X-Pando Corp 43-15 36th St Long Island City 1 N Y

YARDBOY incinerators: J W Fiske Iron Works 78 Park Pl New York 7 N Y

YELLO-JACKET heating boilers, coal, oil, gas or stoker: Burnham Boiler Corp Irvington-on-Hudson N Y

YELLOW END- GOHI culverts: St Paul Corrugating Co St Paul 1 Minn

YELLOW LABEL linen hose: Elkhart Brass Mfg Co Elkhart Ind

YELLOW STRAND wire rope, Broderick & Bascom Rope Co St Louis 15 Mo

YELLOW-STRIPE aluminum oxide paper & cloth: Clover Mfg Co Norwalk Conn

YORK-HEAT oil burners, boiler-burner & furnace burner units, water heaters: York-Shipley Inc York Pa

ZEPHYR door closer: Newell Mfg Co Lowell Mich

ZIP cross-cut saws: Henry Disston & Sons Tacony Philadelphia 35 Pa

ZIP SCRUB ALKALINE CLEANSER floor cleaner: Adco Inc Sedalia Mo

ZIP-UP pivot & jamb type overhead door hardware: Holmes Mfg Co Los Angeles 4 Cal

ZONOLITE loose fill insulation, lightweight & insulating plaster & concrete aggregates, acoustical & insulating plastic: Universal Zonolite Insulation Co 135 S LaSalle St Chicago 3 Ill

1st KOTE-OVER sealer: R F Johnston Paint Co Cincinnati 12 Ohio

2-AN shingle stain oil: Neville Co Pittsburgh 25 Pa

2-50-W coal-tar solvent: Neville Co Pittsburgh 25 Pa

3-IN-ONE lubricating, cleaning, polishing, rust & tarnish preventing oil: Boyle-Midway Inc Jersey City 2 N J

4 HOUR enamel: 20th Century Paint & Varnish Co 30 Roebling St Brooklyn 11 N Y

4 SQUARE paints: Cheesman-Elliot Co 647 Kent Av Brooklyn 11 N Y

7-PLY Kraft bldg paper: Ruberoid Co 500 Fifth Av New York 18 N Y

"38" varnish: Pratt & Lambert Buffalo 7 N Y

50-50 hardware: Allith-Prouty Inc Danville Ill

"61" varnish, filler-sealer, finish, enamel: Pratt & Lambert Inc Buffalo 7 N Y

100% PURE paint: 20th Century Paint & Varnish Co 30 Roebling St Brooklyn 11 N Y

5000 marking crayons: American Crayon Co Sandusky Ohio

ADVERTISING

PAYABLE IN ADVANCE

Copy must be in office of AMERICAN LUMBERMAN by Monday prior to publication date. Rates are based on number of WORDS and consecutive insertions as shown below. Be sure to count address. For "blind" address care this publication count 5 words. Advertisements are set in uniform style, in proper classification, with first line in capitals, if so ordered.
Extra lines of white space count as 5 words. Please specify CLASSIFICATION desired.

RATES PER WORD, PER INSERTION

8c per word for one insertion.
7c per word, per insertion, for 2 consecutive insertions.
6c per word, per insertion, for 3 to 5 consecutive insertions.
MINIMUM CHARGE $1.60.
Attractive discounts for 6, 13 or 26 consecutive insertions.
When answering "blind" advertisements address number shown care of

AMERICAN LUMBERMAN
139 N. Clark St., Chicago 2, Illinois

HELP WANTED

WANTED—Planing Mill Machine Man with resaw experience. Permanent position. May Lumber Company, 1201 Brighton Road, Pittsburgh 12, Pa.

Wanted: A good competent man to take charge of personnel, stock flow and general supervision of plant. Good wages. Steady work. Address R-50, American Lumberman.

WANTED a man to lumber farm 1100 acres of timber in western Pennsylvania. 2,500,000 feet of white pine, cherry and oak; 4,000 cords of pulpwood ripe for cutting. Ten room house, two baths and necessary machinery on property. If interested write L. A. Wells, 1121 Schofield Building, Cleveland, Ohio.

EXPERIENCED RETAIL LUMBERMAN

Large, progressive Florida firm wants to employ an experienced Retail Lumberman who is familiar with construction and can list quantities from plans and make estimates. Prefer all around man who is familiar with Hardware and Paint and who has some knowledge of Millwork. No liquor. A good job with a good future for high class man. Address S-23, American Lumberman.

Wanted: Young man stenographer for Saw Mill operation in Northern Michigan. Experience preferred. Steady. State experience, schooling, reference and salary expected. Address S-26, American Lumberman.

WANTED—SAW FILER on 9" Band and Round Saws. Location: McArthur, Ohio. If interested contact immediately: D. B. Frampton & Company, McArthur, Ohio. Day Phone: 28 —Night Phone: 98.

LUMBER BUYER-INSPECTOR

Travel in south. Must have own car. Prefer man with sales ability. Address S-28, American Lumberman.

HELP WANTED

Wanted: Salesmen calling on lumber and building supply dealers to sell a quality line of Rustic fence and outdoor furniture for prompt delivery. Harry M. Wolfe, Sales Manager, Rustic Fence & Furniture Co., 666 Lake Shore Drive, Chicago 11, Ill.

Wanted: Millwork foreman by old well-established firm in Northwestern Ohio. Permanent place for the right man. Address S-41, American Lumberman.

Wanted: Lumber and millwork buyer, resident Chicago or vicinity, to work on salary for established company operating line retail yards in Southwest. State age, experience, references, salary expected. Address S-44, American Lumberman.

WANTED EMPLOYEE

Hardwood Lumber Inspector for Michigan Distribution yard. Steady, good wages. Write giving qualifications and references. Address S-31, American Lumberman.

WANTED—Experienced man to operate SA Woods Side-Matcher 502-M in Hardwood Flooring Plant. Prefer man who can grind sidehead bits and top & bottom knives. Write P. O. Box 38, Montgomery, Alabama, stating experience and expected rate of pay to start.

Wanted: Competent office man. Able to estimate and draw plans. Counter sales, lumber, millwork, coal, etc. State age, experience, salary wanted and all qualifications. Suburban Chicago Yard. Address R-52, American Lumberman.

HELP WANTED

Lumber Buyer by long established Ohio Valley AAA rated line yard. Must have lumber purchasing experience with wholesaler or retailer or sales experience with manufacturer. Age 30-45. Excellent future. State age, experience, references, salary expected. The Scott Lumber Company, 1112 Chapline St., Wheeling, W. Va.

SAW FILER: for well equipped repair shop. Small circulars and bands. State experience and salary wanted. Milwaukee Saw Works, 1113 N. 4th Street, Milwaukee 3, Wisconsin.

Millwork Superintendent. Also have opening for Estimator and Detailer and Biller. Write for information. Willingham Sash and Door Company, Macon, Georgia.

WANTED—Experienced End-Matcher Feeders for Yates-American E-1 Open End Style Matchers in Hardwood Flooring Plant. Write P. O. Box 38, Montgomery, Alabama, stating experience and rate of pay you expect to start.

WANTED: SIDELINE SALESMEN

Established manufacturer of recognized and guaranteed line of waterproofing products offers profitable opportunity for energetic salesmen calling on dealer trade. State territory you cover, experience, reliability. Address S 37, c/o AMERICAN LUMBERMAN.

SITUATIONS WANTED

OVERSEAS VETERAN

wants to build up his business representing lumber and building material firms. Territory: Ohio, stationed Cleveland. Address S-25, American Lumberman.

Experienced buyer of western and southern lumber desires connection as buyer of wholesale, industrial or line yard company. Experienced from stump to consumer. Familiar with requirements of trade in Lake States. Would locate centrally and contact large number of mills. Address R-40 American Lumberman.

Highest type millwork executive experienced all departments, including retail lumber, seeks position as manager, asistant or managerial position, manufacturing jobbing or wholesaling. Address R-49, American Lumberman.

Experienced retail lumberman would like to make a change and will entertain an offer for a position as manager. Can furnish first class references. West Coast preferred. Address S-30, American Lumberman.

Plant Manager, Estimator, Detailer, desires position with millwork concern, thoroughly experienced, age 44. Address S-35, American Lumberman.

SITUATIONS WANTED

Millwork Executive

Desires connection as Manager or Department Head. Experienced in Stock and Special, Manufacturing and Jobbing. Thorough knowledge of business, costs and production. Excellent references. Would prefer locating in Florida or other southeastern state. Address R-25 American Lumberman.

30 years' experience, estimating timber and logging operation costs in four states, two Canadian Provinces. Address M-33, American Lumberman.

LET ME PLAN YOUR LUMBER YARD MODERNIZATION

Engineer familiar with all phases lumber yard operation prepared to design plans for new and modernized lumber stores and warehouses. Address N-28, American Lumberman.

EXPERT SAWMILL BUILDER

Improvements, repairs, new construction. Prepared to do quick job. Write or wire for further information and references. Address S-42, American Lumberman.

HAVE YOUR OWN PREFAB DEPARTMENT

Experienced man will set up profitable prefab department for enterprising lumber concern, design farm buildings, utility buildings and homes that will sell. Can do up to $2,000,000 a year. Ideal for alert lineyard concern. Address N-25, American Lumberman.

USED MACHINERY WANTED

WANTED

Band Resaws — Chain Feed Straight Line Gang and Rip Saws — Planers Matchers — Molders — and all other kinds of woodworking machinery.

Keystone Machinery Company
324 — 4th Ave., Pittsburgh Pa.

One ball bearing circular resaw, also one 6 x 15 planer and matcher in good condition. J. M. Hampton, Naples, Texas.

WOOD HOGGER WANTED Jeffrey, Type B Size app. 36x24. FRANK MILLER & SONS, 2250 W. 58th St., Chicago 36, Ill.

WANTED: 3-1 Machine (Borer, gluer, doweler). General Door Mfg. Co., 1726 N. 1 Street, Milwaukee 2, Wisconsin.

Wanted—A sawmill complete, also edger and sticker-4-sides, 6" or 8". Also Novelty Cut-Off Saw. B. J. Harrison Mfg. Co., Arkville, New York.

WANTED: One S. A. Woods M.D.I. Unit and one slab resaw. Dishman Lumber Company, Anniston, Alabama.

1 self feeding rip saw. Must be in good condition. Advise price, model and size of motor. Atlantic Lumber & Supply Co., Inc., 861 Broadway, Bayonne, N. J.

Complete Portable Circular Sawmill and edger wanted, Frick preferred. The Springfield Planing Mill and Lumber Company, 721 West Columbia Street, Springfield, Ohio.

Want semi-portable band mill complete with edger, etc. Will pay cash or trade standing timber in California. A Waitkus, 8301 Findlay, Houston, Texas.

Good used Band Saw, free from cracks, 45'-4" long, 14 gauge 1¾ space, not less than 10" wide. Watson & Richardson, Bay City, Michigan.

Wanted: Baling machine for softwood matcher shavings. Give details of condition, size, weight and location of machine. Ahonen Lumber Company, Ironwood, Michigan.

BUSINESS OPPORTUNITIES

Reliable small mill operator seeks long term contract for cutting special dimension stock 8 feet or shorter from northern hardwoods and softwoods. Address P-43, American Lumberman.

Old timer lumber salesman with favorable connections and market for Yellow Pine and Hardwoods in Western New York and Ontario would like to hear from manufacturers interested to distribute in this territory. Frank J. Gore, 416 Falconer Street, Jamestown, N. Y.

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